



JIBC CANADA'S *leading*
PUBLIC SAFETY
EDUCATOR



The Journey of Success: Office of Applied Research
& Graduate Studies (OARGS) and
Centre for Applied Research 2008-2012

December 2013

Office of Applied Research & Graduate Studies
Justice Institute of British Columbia

Justice Institute of British Columbia
715 McBride Boulevard
New Westminster, B.C.
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Justice Institute of British Columbia
Office of Applied Research & Graduate Studies

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Message from the Dean

As the Dean, Office of Applied Research and Graduate Studies, I am committed to working with JIBC staff and the Applied Research Committee to develop a vision and future direction for applied research at the JIBC that supports learning excellence, curriculum content, and the practitioners we place to practice their professions in the real world. The intent will be to create a broad definition of scholarship and research for JIBC and to engage federal, provincial, and industry partners in research activities that answer real world questions. Priorities will include building internal research capacity within JIBC and creating clusters of research activities through the creation of Research Chairs in various disciplines. While this vision is still in the early stages of development, the “research signature” for JIBC will advance the Institute’s disciplines, inform practice within these professions, influence policy, and embed research findings in JIBC curriculum.

The Centre for Applied Research (CAR) is the gateway for JIBC applied research projects. The Centre evaluates project potential, searches for active partners and stakeholders, secures support and funding, administers policies and procedures, and conducts financial reporting. The Centre serves as a first point of contact for small to medium enterprises (SMEs) wishing to explore possible collaborations in light of available resources and expertise.

Through partnerships with CAR and JIBC faculty, staff and students will be well placed to develop new knowledge and technologies that support emerging public safety disciplines in:

- advancing scholarship
- developing evidence-based practice in public safety
- informing best practice and public policy
- enhancing justice and public safety curriculum
- increasing public awareness of critical issues facing justice and public safety practitioners.

In support of the JIBC Strategic Plan, the Centre creates opportunities for practical learning and professional development for JIBC students, faculty and staff while providing opportunities for stakeholder engagement. Through CAR, we foster a culture of collaboration, learning, and innovation - essential skills for identifying and solving relevant real world problems. By facilitating partnerships, CAR brings together various disciplines, stakeholders, technologies, tools, products, and services with JIBC Applied Research to enhance education and keep our communities safe – essentially “*advancing justice and public safety through applied research*”.

Dr. Greg Anderson, Ph.D.

Office of Applied Research & Graduate Studies

Scholarship forms the foundation of practice, training, and education. Thus, the Office of Applied Research & Graduate Studies takes the concept of scholarship - embracing the scholarship of discovery, application, teaching, service, and integration - as the central theme of its efforts. Scholarship fosters the development of new knowledge and new insights, influences field practice, informs policy, shapes and enriches curriculum, enhances pedagogical practices, and challenges the individual to become a full participant in her or his discipline and community. This view of scholarship situates the OARGS as an active partner and facilitative force in its relationships with JIBC services, schools, students, and the communities they work in and with. By fostering a culture and practice of scholarship, the Office of Applied Research & Graduate Studies will meet its local goals, support JIBC Schools and Divisions, and contribute to the JIBC's Academic Plan and Strategic vision and mission.

JIBC has a thirty year history of leadership, innovation, and collaboration with industry and public partners in the fields of justice and public safety. JIBC Schools of Community and Social Justice, Health Sciences, and Public Safety and Security work within their disciplines to develop solutions to practical problems in applied settings. Their projects have provided insight, developed new knowledge, and fostered change in justice and public safety practice and education.

The Justice Institute of BC, in its 2007-2010 Strategic Plan, called for the creation of an "Office of Applied Research and Special Projects". In 2008, Dr. Carol Amaratunga was recruited as Dean, Applied Research. Since her retirement in August 2011, the office has been led by the current Dean, Dr. Greg Anderson.

In 2012, JIBC consolidated several academic support units into one office to enhance pan-institutional support and leadership in the areas of applied research, technology-enabled learning and teaching, academic planning, graduate studies, and liberal studies. The restructuring aligned these units into three Centres under a single Dean to enhance collaboration, efficiencies, and institution-wide decision making while building on their synergies to provide JIBC clients with exceptional, pan-institutional service. This re-organization was part of the continued effort for JIBC to improve internal operations and external profile, all in the name of student success and educational excellence.

For the purpose of this historical report, only the Applied Research portfolio will be discussed.

Centre for Applied Research

Advancing justice and public safety through applied research

The Office of Applied Research & Graduate Studies (OARGS) leads and supports applied research activities at the Justice Institute of British Columbia. As a pan-institute resource, the Office, through the Centre for Applied Research (CAR), provides administration, infrastructure, research support, and research operations. The Centre for Applied Research (CAR) supports the JIBC vision of being a “world leader in justice and public safety education and research” through an integrated program of work with a pan-institute focus and mission, including strategic and operational objectives, as we move forward to build research capacity and leadership.

The Centre supports:

- Applied Research
- Research Ethics
- Centre for Resilient Communities
- Centre for the Prevention & Reduction of Violence.

The design and delivery of our applied research is conducted primarily from the standpoint of First Responders and First Receivers, thus uniquely positioning JIBC. Research outcomes advance our vision by informing public policy and curricula, increasing public awareness, and helping to keep our communities safe.

The Centre for Applied Research 2012 strategic plan provides direction and guidance for applied research undertaken at the JIBC. It includes the vision, mission, values, role, strategies and priorities, and a work plan with short, medium and long term plans.

A. Vision, Mission and Values

VISION:

The Centre for Applied Research has a vision of establishing the Justice Institute of British Columbia as the lead justice and public safety research institution in Canada, helping keep communities safe through an active applied research agenda engaging first responders, first receivers, practitioners, policy makers, stakeholders, and service users.

MISSION:

The Centre for Applied Research achieves this vision by developing new knowledge in emerging disciplines that informs best practice and public policy, enhances justice

and public safety curriculum, and leverages learning technologies and methodologies, and increases public awareness.

The Centre for Applied Research is dedicated to advancing justice and public safety through the scholarship of discovery, application, integration, teaching, and service.

VALUES:

Building capacity in scholarship

- *Create internal capacity to contribute to society through scholarship (framed as discovery, application, integration, teaching and service)*
- *Promote student-led research as important for student learning, student success, fostering partnership with external agencies, and the development of a research culture*

Advancing the development of our disciplines and professions

- *Promote educational research focused on curriculum development and assessment, and implementation/evaluation of teaching and learning technologies and methods (e.g. simulation, distributed learning, experiential learning)*
- *Encourage cross-disciplinary initiatives through partnerships with stakeholders and industry*

Leading applied justice and public safety research

- *Conduct exploratory research focused on social, justice, and public safety issues that require action from the community and/or government (eg. procedural, policy, services)*
- *Develop, evaluate, and commercialize justice and public safety processes and products, such as software training tools or field analysis tools*

(See Appendix A – Centre for Applied Research Strategic Plan)

B. Roles and Responsibilities

The Centre for Applied Research provides **core services** that support JIBC Schools through capacity building, administration, and infrastructure development through a shared services model. The Centre provides **research operations** by establishing processes, structures and capacity through the concept of Research Centres and Chairs. The Centre provides **research facilitation** by bringing School strategy, funding, and research together.

Figure 1 demonstrates the layers of support that stem from the JIBC statement of Mission and Vision for applied research. Core services provided to support applied research include policy development and maintenance, establishing granting eligibility through the Tri-Council funders, providing oversight for ethical reviews of research proposals, capacity building through mentorship and professional

development, and sharing staff that possess that knowledge and experience working with funding agents. The Centre works with Schools to develop scholarship and applied research goals for their areas and embeds these activities in the local operating plans.

The development of Centres facilitate the exchange of ideas with like-minded people. These Centres were promoted as hubs of activity related to the Prevention and Reduction of Violence and Resilient Communities. External experts were asked to contribute to the School's research and scholarship through the establishment of school Research Associates. An "Applied Research Day" was developed for the exchange of information pertaining to faculty, staff and student scholarship and applied research, and to introduce JIBC to topics that support student, staff, and faculty engagement in scholarship and applied research.

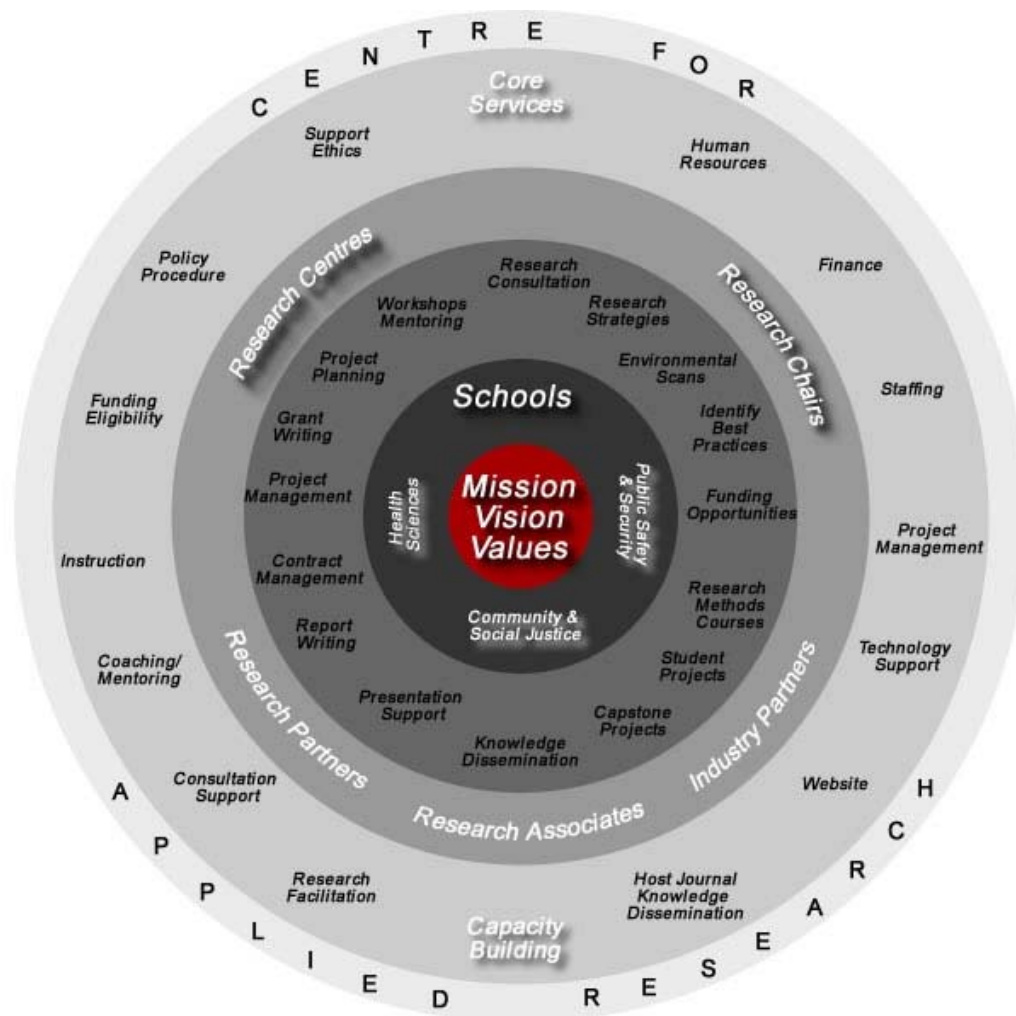


Figure 1: Roles and Functions of the Centre for Applied Research.

The Centre for Applied Research (CAR) provides four functions:

- **Research Operations:** CAR actively engages in applied research activity, both in partnership with JIBC Schools and Divisions, and through interdisciplinary projects housed within CAR's Research Centres.
- **Research Facilitation:** CAR works with JIBC Schools and Divisions to establish research goals, identify opportunities, develop proposals, and build research networks within their communities of practice.
- **Research Infrastructure:** CAR develops applied research capacity and infrastructure through oversight (including supporting the JIBC Applied Research Committee and Research Ethics Board), policy and guidelines, strategic and annual planning, recruitment and retention of exceptional faculty, ongoing faculty development, and support for research-based activities in JIBC courses, programs, activities, and degree and diploma initiatives.
- **Research Administration:** CAR provides core applied research administrative functions including finance, administration, strategic planning and monitoring, and provision of logistics.

In support of the four primary functions, the Centre for Applied Research supports scholarship and applied research through some key committees and infrastructures:

1. Research Commons

The expansion of applied research projects at the JIBC resulted in a need for more office space. The JIBC Research Commons, across from the main JIBC New West Campus on McBride Boulevard, was established in April 2010 and housed the Centre for Resilient Communities, specifically the RDRP and SIMTEC projects. It provides JIBC staff and graduate students working on research projects the opportunity to collaborate and communicate with each other in a common space. The research space is fully funded through the overheads from the research projects.

2. Research Ethics

The Research Ethics Board (REB) reviews ethical acceptability of research proposals as per the JIBC Research on Human Participants Policy. This process is consistent with the Tri-Council Policy Statement (TCPS2). REB was established as an independent body to review the ethical acceptability of research involving human participants, conducted within its jurisdiction or under its auspices. REB is comprised

of at least 11 members including two faculty and/or staff members appointed from each of the three JIBC Schools, and two community members who serve a three year term. REB was formally implemented in September 2012, replacing the JIBC Research Ethics Committee. Since 2006, there have been 29 applications for ethical review of research proposals involving human participants received and approved.

3. Applied Research Committee

The Applied Research Committee's (ARC) mandate is to ensure the on-going development of applied research and scholarly activity at the JIBC. ARC is a forum for dialogue and a venue for information dissemination to and from the JIBC community. Members of ARC play a key advocacy role for JIBC Centre for Applied Research and inform the content of the annual Applied Research Day.

ARC had input into drafting the *Centre for Applied Research Strategic Plan*. The *Scholarship at the JIBC* white paper (Dec 2012) was developed by members of ARC through an iterative process based on Boyer's definition of scholarship.

4. Research Associates

In 2009, the Office of Applied Research established the JIBC Research Associates addition to the research team. Research Associates are distinguished professionals or subject matter experts, external to the Institute, who undertake or advise on JIBC applied research activities. They bring knowledge and expertise in their particular fields to JIBC research projects. They possess excellent academic and/or professional qualifications and/or distinguished service records, and are at the graduate level or have a terminal degree in their field. Research Associates have five or more years of research experience with specific experience as a primary investigator, co-investigator, or research collaborator.

Since 2009, there have been twenty JIBC Research Associates appointed for honorary three year terms, and as of December 2012, there are fifteen active Research Associates. They are: Dr. Carol Amaratunga, Dr. Rishi K. Bhalla, Dr. Jim Carter, Dr. Robin Cox, Dr. Lorraine Greaves, William Hubbard, Linda Light MA, Dr. Alexandra Luce, Dr. Adam Lund, Dr. Jocelyn Pedder, Dr. Silvia Raschke, Dr. Valerie Spicer, Dr. Sheila Turris, Dr. Keith Wilkinson, Dr. Elizabeth Whynot, and Dr. Harold Wynne. Those who had terms which expired in 2012 were Dr. Arthur Hansen, Dr. Laurie Pierce, Dave Park, and Sarah Hunt.

5. Research Chairs

In 2011, the JIBC's first Research Chair Dr. Laurie Pearce was announced for The Simulation Training and Exercise Collaboration (SIMTEC): Enhancing CBRNE Psychosocial Capacity and Capability Management project. There are several Chair proposals under development, including an NSERC Industrial Research Chair proposal in Traffic Safety and Injury Prevention; Applying Prevention Research to Mitigate Violence Against Public Safety and Emergency Workers; Intelligence Analysis; and Community Resiliency.

6. Communication & Information Dissemination

The Centre for Applied Research provides information dissemination to JIBC including, but not limited to, the following communication methods:

- **Intranet and Justin Times:** Regular articles and announcements are published in the internal newsletter, at minimum monthly.
- **JIBC Meetings:** The Applied Research Committee and the Research Ethics Board have two designated spaces for representatives of each School. The representative's role is to act as a conduit for sharing of information to/from their School. The approved minutes are posted on the Intranet for all JIBC faculty/staff to review.
- **Presentations:** The Dean and Associate Dean give internal presentations to a wide variety of venues including: The Senior Management Committee, Vice President's Academic Committee, School Curriculum Committees, staff meetings, JIBC Board of Governors, JIBC Foundation Board, Face to Face updates, and other venues when requested. They are also invited to present information about JIBC applied research at the local, regional, provincial, national, and international level.
- **Annual Applied Research Day:** CAR organizes an annual event to showcase JIBC applied research and provide an education forum to engage and inform JIBC faculty, staff, students and guests. Applied Research is showcased with a poster display in the atrium that features individual projects. The event is flexible and free to remove barriers to participation.
- **Applied Research Posters:** In 2012, a permanent poster board was installed in the atrium. Research posters are rotated on a regular basis, and an article is written for the Justin Times/Intranet featuring the poster on display and encouraging staff to read the full text in the atrium. Some research posters, where appropriate, are "retired" to a semi-permanent place such as a fire

research poster at Maple Ridge campus or gun research poster in the shooting range where students can learn more about research related to their specific field of study.

- **JIBC Webpage:** Categories include: Partnering with Applied Research, Research Centres, Research Projects, Tools, Publications & Reports, Governance and Events. The library has a section specifically dedicated to conducting research with great resources, links, and tools. Two Applied Research projects (SIMTEC and RDRP) have a link to their JIBC external websites.

Supporting JIBC Strategic Priorities

As a unique international post-secondary institute in public safety with professional, undergraduate, and graduate programs, JIBC promotes and hosts a unique research signature – one that inspires solutions and is targeting to meet public and community needs. By 2015, we anticipate JIBC will be at the forefront of applied research in public and community safety in British Columbia and Canada. To this end, JIBC is the first Canadian institution to support trans-disciplinary applied research in community safety and security. The research to date addresses community safety through a lens of risk management and security science practice and technology. This work brings researchers and practitioners together: we partner with community-based public and non-governmental organizations to solve problems and circulate evidence-based results to policy audiences at all levels. This relationship-based approach ensures that problem-oriented collaborations will be highly relevant to communities, as well as cost-effective and practically designed and delivered.

JIBC's applied research strategy is a key strategic initiative of JIBC's Strategic Plan. JIBC's Strategic Plan 2010-2015 envisions JIBC as a "world leader in justice and public safety education and research." The Centre for Applied Research supports this vision through an integrated program of work with a pan-institute focus and mission including strategic and tactical objectives as we move forward to build research capacity and leadership. JIBC applied research projects are typically:

- Externally funded and supported, often by sources not generally accessed by BC universities and colleges (e.g. the CRTI Centre for Security Science at the Department of National Defence and private Foundations)
- Executed through designated JIBC faculty and JIBC research associates (i.e. similar to university adjunct professors), supported by a diverse set of stakeholders in the communities served
- Responsive to the needs of BC's diverse communities and JIBC stakeholders
- Designed (and delivered) to be responsive to community needs and serve the public good in all areas of community safety and security
- Developed and designed in support of regional and national research networks
- Delivered to ensure that applied research is relevant to the lives and wellbeing of BC residents, and that research addresses the emerging

challenges of the 21st century (e.g. climate change, SARS, and internally and externally driven threats and risks).

While applied research is identified as a strategic priority in the Strategic Plan, goals for educational excellence and student success also speak to the role of applied research. These goals include expanding applied research initiatives with faculty and researchers across disciplines supporting student research and educational excellence. With a unique research signature, projects developed under the schools demonstrate our ability to leverage our unique capabilities to lead through innovation. Further, a shared services model supports the goal of organizational effectiveness and efficiency.

The Centre for Applied Research also supports the present Academic Plan in several ways. In fact, the thematic goals of the Academic Plan state expanding academic programs to include both undergraduate and graduate studies and applied research, with applied research supporting the student learning and success while enhancing the inter-professional education and experience. An overarching goal for JIBC is for educational excellence through experiential learning informed by theory, research and professional practice.

The priorities in applied research have been to expand external funding, strengthen the research infrastructure (including recruiting research associates), engaging JIBC divisions and achieving several early successes. A list of known JIBC projects can be found in Appendix B (p. 30).

The Building of Success

The Office of Applied Research, created in 2008 and led by Dr. Carol Amaratunga, quickly consolidated and further developed the JIBC's applied research infrastructure and capacity. The programmatic work of this office comprised a suite of interrelated projects, activities, and services which shared a common goal and vision with measurable objectives. In 2010, OAR initiated the development and implementation of a suite of research policies and procedures to support the JIBC's strategic research plan and accomplish its research goals. These provide the framework and direction for research undertaken by the JIBC.

In May 2011, JIBC was granted eligibility for funding from the Canadian Foundation for Innovation (CFI). This federal agency provides infrastructure funding to support projects funded by Tri-Council Federal funding agencies. The JIBC has a signed institutional agreement with CFI.

Dr. Greg Anderson became the second Dean of Applied Research when Dr. Amaratunga retired in August 2011. In 2012, the Office of Applied Research was restructured to include Graduate Studies with three Centres: Centre for Applied Research; Centre for Graduate Studies & Academic Planning; and Centre for Teaching, Learning & Innovation. With the re-structuring, Ron Bowles became the Associate Dean for the Centre for Applied Research (CAR).

Early work of this Office under the new leadership was to establish a definition of Scholarship, complete the application process for Tri-Council funding eligibility, and complete and revise the Policies and Procedures related to research and scholarship. In 2012, the white paper "*Scholarship at the JIBC*" was developed by members of the Applied Research Committee through an iterative process based on the work of Boyer's definition of scholarship: the scholarship of discovery, application, integration, teaching, and service. Policies and Procedures were amended, and CAR currently has a suite of six policies and twenty-two procedures (with two additional procedures being drafted) to support the JIBC's strategic research plan accomplish its research goals while fulfilling Tri-Council funding requirements.

The Tri-Council agencies (NSERC, SSHRC, CIHR) are the major federal source of funds for research including a broad range of grants, scholarships, and fellowships distributed annually through a competitive peer-reviewed process. The Tri-Council includes the Natural Sciences and Engineering Research Council of Canada (NSERC), Social Sciences and Humanities Research Council of Canada (SSHRC), and Canadian Institute of Health Research (CIHR). The OAR received eligibility for NSERC in December 2011 and SSHRC in February 2012. CIHR eligibility requires a successful research funding application prior to applying for eligibility.

A chronological overview of applied research activities occurring between 2008 and 2012 can be found in Appendix C (p. 38).

A. Making a Difference – Success Stories

1. Centre for Resilient Communities

The applied research projects that are housed within the Centre for Resilient Communities enable communities to build on and enhance their ability to plan for and be more effective and resilient in the case of emergency disasters.

a. Rural Disaster Resilience Project (RDRP)

The goal of the \$3.2 million Rural Disaster Resilience research project was to develop and pilot a participatory, community-centered process for engaging rural, remote, and small coastal (RCC) communities in disaster risk reduction planning at the local level with a focus on enhancing local capacity and capability. The participatory approach to the research is designed to support the engagement of citizens in the pilot communities and to elicit and integrate their expertise and insights in the development of emergency planning project tools, curriculum, and process frameworks.

Globally all hazard risks are occurring with greater frequency and intensity, yet the development of response capability for rural, remote, and coastal communities has been minimal - emergency planning and response investments for CBRNE and all-hazard risks remain largely directed to urban centres. RCC communities face a triple jeopardy with fewer professional and financial resources, less emergency measures infrastructure and training, and unique physical challenges created by complex geography, isolation, and demographics.

This research project was funded to develop and pilot a participatory, community-centered process for engaging rural, remote, and small coastal (RCC) communities in disaster risk reduction planning at the local level with a focus on enhancing resilience and empowering communities to engage in local actions to prevent, mitigate and manage risks, and build local capacity and capabilities.

The Rural Disaster Resilience Project had significant reach and impact at the local, regional, national, and international levels. Specific project outputs included: creation of tools, process, and resources to support disaster risk resilience in remote, rural, and coastal communities; award winning translation to technology-supported formats (Triple bronze medal winner Horizon Interactive Awards); uptake of project outputs by the Resilient Communities Working Group, Canadian Red Cross, Royal Roads University and the Conference Board of Canada, and Emergency Management BC; interest in potential future partnerships and expanded use of the tools created.

RDRP directly contributed to the conversations and consideration of resilience within over 20 Canadian communities; enhanced networks amongst academic, government and non-governmental stakeholders in the national and international community of those invested in disaster resilience; and increased national disaster resilience capacity with the introduction of rural-specific tools.

b. The Simulation Training and Exercise Collaboratory (SIMTEC)

The Simulation Training and Exercise Collaboratory (SIMTEC) is a \$3.6 million multi-year research project which will assist Emergency Operations Centre (EOC) personnel to develop a more considered approach of the psychosocial dimensions of Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) and other hazardous events. The use of JIBC's Praxis and Ex-Pod system will allow researchers to study senior officials during various exercise scenarios, and the findings will demonstrate how to best enhance Canada's and the international community's capacity to respond more effectively to CBRNE and other threats. JIBC's first Research Chair, established through the SIMTEC funding, is Dr. Laurie Pearce.

As the potential for terrorist and non-terrorist CBRNE events increase, there is an identified need to develop evidence-informed, practical tools and guidelines for first responders and for those that provide psychosocial supports to the responders and the affected populations.

- This project involves developing a suite of exercises which are designed as psychosocial-support and consequence management case study exercises, scenarios, and injects for first response decision makers.
- The output of the research will be a training and exercise "collaboratory" (SIMTEC) or virtual laboratory of information, research, and expert dialogue focused on training and exercise for emergency responders and leadership with a specific emphasis on the psychosocial implications of disasters for responders and civilians. This collaboratory will include a digital library of exercises, injects, scenarios, simulated news footage, and exercise manuals which will act as a central repository or evolving compendium of resources for training and research.

Specifically, the project's research findings and deliverables are:

- a suite of exercises (including scenarios and multi-media injects)
- psychosocial protocols, guidelines and training for family physicians/health care workers, victim support workers, psychosocial interveners, first responders, and senior decision makers/EOC personnel.

The team includes: the international partners from Israel, the United Kingdom, Australia, and Sweden; the expert working group is comprised of members from across Canada with a diverse range of emergency response backgrounds; and the

Co-Principal Investigators, Researchers and Partners contribute a wealth of experience and knowledge to the project.

Funding support through direct and in-kind contributions include JIBC, Royal Roads University, Centre for Security Science, and Health Canada.

2. Centre for the Prevention & Reduction of Violence

In 2009, the R. Howard Webster Foundation provided \$300,000 to fund the establishment of the Centre for the Prevention & Reduction of Violence (CPRV). That year, CPRV also received a gift of \$113,000 from the BC Institute Against Family Violence when it ceased operations.

Three research projects were completed under this Centre, and the following project reports are available in pdf format on the JIBC website.

- *"This is a man's problem": Strategies for working with South Asian male perpetrators of intimate partner violence* by Gary Thandi and Dr. Bethan Lloyd
- *Domestic Violence Prevention and Reduction in British Columbia (2000 – 2010)* prepared by Katherine Rossiter
- *"The Evaluation of the Code White Program to Reduce Workplace Violence at St. Paul's Hospital"* by Sevinj Askerova.

a. "This is a man's problem": Strategies for working with South Asian male perpetrators of intimate partner violence

The final Report for this project was launched at a media event at the JIBC on November 21, 2011 and generated considerable attention from radio, television, and print media, and the report has been widely distributed.

Since the release of the research report, co-author Gary Thandi has appeared on several radio and television programs to discuss the research findings. Additionally, in keeping with the spirit of the action research project, he has developed/undertaken several initiatives, all of which were among the project's recommendations. These initiatives include: Conducting three large workshops for nearly 400 front-line service providers on how to work more effectively with South Asian families who have been impacted by abuse (working with the victims, perpetrators and children who witness the abuse); producing resources on intimate partner violence in the Punjabi language; meeting with government officials to discuss the lack of services for South Asian and other ethno-cultural communities; initiating a drop-in support group for South Asian men; initiating drop-in support group for South Asian women; and developing a program for South Asian male perpetrators of intimate partner violence (all three of these groups are in Surrey) to address the significant gap that exists.

The Core Reference Group providing guidance to this project included: Rajpal Singh, Indo-Canadian Spousal Abuse Counseling Program; Shashi Assanand, Vancouver & Lower Mainland Multicultural Family Support Services; Ninu Kang, Mosaic: Multilingual Orientation Services Association for Immigrant Communities; Perry Deol, Corrections & Community Justice Division, JIBC; Rampee Lidder, Ministry of Public Safety and the Solicitor General (BC Corrections); Susan Forest, Centre for Counselling & Community Safety, CSJD; Fran Grunberg, Chair, CPRV; Mary Russell, School of Social Work University of British Columbia; and Surgeet Kalsey, Abbotsford Community Services.

***b. Domestic Violence Prevention & Reduction in British Columbia
(2000 – 2010)***

A review of domestic violence prevention and reduction initiatives in British Columbia from 2000- 2010 was compiled for the Centre for Prevention and Reduction of Violence by Katherine Rossiter. The report was launched in December 2011. The review was undertaken to support the work of the Violence Reduction Circle, a collaborative group of researchers, policy-makers, clinicians, and service providers hosted by the Centre for the Prevention and Reduction of Violence at the JIBC.

The review begins with a description of the process, which involved a comprehensive scan of online sources and key informant interviews with academic and community-based researchers, policy-makers, service providers, and advocates. The author then outlines the various terms used to describe domestic violence against women and justifies the use of this term to reflect the language adopted in provincial policy without losing the gendered language of feminist scholars. The report goes on to present the latest statistical data on rates of domestic violence in Canada and British Columbia before summarizing the health, social, and economic costs of domestic violence against women and the effects on children who witness such violence.

The review defines three levels of prevention strategies (primary, secondary, and tertiary), which are conceived as interdependent and mutually reinforcing strategies to prevent and reduce violence against women and increase the safety of women and children. The body of the report reviews domestic violence prevention and reduction initiatives in BC over the past decade, including relevant legislation and policy, training initiatives for service providers across systems, and efforts to strengthen the community response to domestic violence, including public awareness campaigns. A brief overview of government, police, and community-based victim services and programs for domestic violence perpetrators follows.

The review then focuses on services and prevention initiatives designed to meet the needs of specific populations of victims, namely: aboriginal women and girls; immigrant, refugee, and non-status women; women in rural and remote communities; persons within the lesbian, gay, bi-sexual, transgender, or two-spirit (LGBTTS) community; and children and youth. Relevant national and international

domestic violence prevention programs and initiatives are identified, and the case is made for primary prevention strategies that address the root causes of crime and promote strategic investments in children and families.

B. JIBC Schools

1. School of Public Safety & Security

a. The Effectiveness of Current Fire Fighter Rapid Intervention Teams

The purpose of a Rapid Intervention Team (RIT) is to locate and rescue lost, trapped, and injured firefighters at an emergency scene. The rationale for the study was to evaluate the effectiveness of current Rapid Intervention Team protocols by evaluating current RIT practices and measuring the time to complete current RIT tasks. The research determined the challenges associated with performing a firefighter rescue and provided recommendations that could improve RIT protocols and practices.

The first portion of the study involved measuring response times to typical RIT scenarios. The ability to rescue a fire fighter by a two person RIT team compared to a four person RIT team was evaluated. These scenarios were conducted at the Justice Institute of BC's Fire and Safety Training Centre in Maple Ridge. In the second portion of the study, potential improvements to RIT protocols were tested and evaluated by conducting RIT training drills in both career and volunteer fire departments throughout the province.

The results from the study demonstrated that a 2 person RIT team may not be able to rescue a downed or trapped fire fighter and will not be able to rescue two or more trapped fire fighters. If a 2 person RIT team attempts to rescue a victim fire fighter, the quality of the rescue will be compromised. When a rescue is required, the Incident Commander should immediately increase the original RIT team to 4 members. If the rescue becomes more involved, the Incident Commander will have to allocate more resources to RIT.

An important conclusion from this study is the need to assign individual responsibilities to each member of the RIT team. It was also observed that when a team leader had to perform physical tasks during a rescue, their decision making was impaired, and they had a harder time maintaining effective fire ground communication. These observations make it very evident that it is more effective to divide a 4 member RIT team into positions with specific areas of responsibility. A Team Leader is required to make decisions, order additional resources, and maintain a reliable communication link with Incident Command. An Air Management position is responsible for monitoring and maintaining the victim's air supply. Two Rescuers are responsible for packaging and assisting with removal of the injured fire fighter. A 2 person RIT should have a team leader and an air management position then request additional rescuers when required. RIT teams must fit into the incident command system, and each RIT team member should have specific responsibilities in order for the team to function efficiently.

A final recommendation from this study is that fire service organizations should conduct RIT training at least annually, with a focus on both theory and practical hands-on drills as part of fire fighter job performance requirements.

b. Identification of Potential Risk Factors for Injury to Police Officers using New Technologies

The purpose of this research was to identify contributing factors and root causes between the increasing amount of technology and protective equipment a police officer is expected to wear or have installed in their police vehicle and two categories of injury claims making up 52% of WorkSafeBC claims between 1997 and 2005 – that of musculo-skeletal injuries (MSIs) (39% of total claims by police officers) and Motor Vehicle Accidents (MVAs) (13% of total claims by police officers).

The project involved a combination of focus groups with police officers who regularly spend a significant number of their shifts in a police vehicle. In addition, non-police researchers participated in ride-alongs to better appreciate the nature of the work and workplace environment.

This project began with a literature review to determine the range of technologies currently used in the police vehicle or carried by a typical patrol officer. Also reviewed were methods and conclusions of other groups looking into ergonomics of the police vehicle. This was followed by researchers going on ride alongs to observe what a typical shift looks like for both uniformed and plainclothes patrol officers. A series of three focus groups were carried out that consisted of two parts: 1) A questionnaire and 2) brainstorming and discussion. The Vancouver Police Department provided members ranging from 1-20 years' service to participate in two focus groups. Of the 12 participants, four were female, and 8 were male. The third focus group was with JIBC recruits where 33 participated in the discussion, and 23 completed the questionnaire.

The project resulted in a wide range of issues being identified – some of which extended beyond the physical confines of the police vehicle interior.

Most of the key issues identified did relate to factors within the police vehicle. Most importantly, the computer and computer mount, centre console (lights and siren control), light bars and arm rest are all installed in the vehicles with little consideration for how one impacts the use of the other or how they impact visibility or an officer's typical workflow. It is recommended that municipal police departments work to develop a strategy to review equipment for both component effectiveness and how components work in combination with the other items as part of typical work flow and to implement a solution based on the findings. Other vehicle related factors identified as needing to be addressed were: external visibility of the police vehicle; seat issues; loose items in the car; education of police recruits on headrest and

seatbelt height adjustments; electric adjustments of seats, mirrors and door locks; and organization of trunk in NCO Vehicles and the hooks in VPD wagons.

Discussion around an officer's duty belt and other equipment they carry with them – while not part of the car itself, these items need to be addressed as the impact how an officer sits, moves, and works in the car. It is recommended that officers be issued a nylon duty belt and that this issue be addressed in a separate project. The amount of equipment on the duty belt currently worn by an officer impacts an officer's lumbar spine when sitting or twisting to work on the computer. As well, the number of things an officer has to access while working both in and out of the car could be a contributing factor to MSI. It is also recommended that these be revisited and updated.

First, it was observed that other drivers do not respond correctly or safely to a police siren. Second, there appears to be little respect by the public for crime scene tape. It is recommended to determine if different siren wails and yelps could be used to improve the public's ability to locate emergency service sirens and a series of public service announcements be developed to educate the public on both the correct way to respond to a siren or crime scene tape.

2. School of Community & Social Justice

a. Restoring the Honouring Circle: Taking a Stand Against Youth Sexual Exploitation. An Information, Prevention, and Capacity Building Manual for Rural Communities in British Columbia.

The Justice Institute of British Columbia (JIBC) School of Community & Social Justice has developed an information, prevention, and capacity-building manual – Restoring the Honouring Circle: Taking a Stand Against Youth Sexual Exploitation – for people working with Aboriginal youth in rural and isolated communities in BC.

The manual, authored by JIBC Research Associate Sarah Hunt and funded by the Ministry of Children and Family Development and the Ministry of Justice, was released on the first day of Stop the Sexual Exploitation of Children and Youth Awareness Week, March 5-11, 2012.

Information from a BC study published in 2000 indicated that Aboriginal youth were disproportionately involved in sexual exploitation. The study estimated that between 14 and 60 percent of sexually exploited youth in some BC communities was Aboriginal with residents in rural and isolated areas being significantly more vulnerable.

In 2005, Hunt and JIBC community-based researcher Natalie Clark conducted a groundbreaking study: *Violence in the Lives of Sexually Exploited Youth and Adult Sex*

Workers in BC. The report provides a provincial overview of violence in the lives of sexually exploited youth and adult sex workers in BC; reviews the informal and formal supports that are available; and identifies how communities could improve their responses to this violence. In an immediate response to the study's findings, JIBC launched in 2006 the Sexual Exploitation Online Toolkit, providing links to resources, programs, and organizations that are working to address this issue.

The need for the manual was driven by the recognition that service providers and other adults providing support to youth needed to improve their knowledge and capacity to address the issue of sexual exploitation. According to Hunt, "I've worked with communities that were trying to deal with the impact of disclosures where the supports were not in place first, resulting in backlash against the victims and their families, as well as a lack of coordination among justice system representatives, service providers and family members."

Rather than prescribing one approach for all rural Aboriginal communities, the manual identifies a number of culturally appropriate and sensitive global prevention strategies, as well as targeted initiatives, for people who want more information on how to integrate education about sexual exploitation into their work.

As one of the Community research participants revealed, "I think that a lot of the abuse that has occurred with me and my siblings and extended family was because there wasn't that education piece. There wasn't anyone creating awareness about it."

"This new resource underscores our commitment to conducting applied research that promotes social change that helps keep our communities safe," said JIBC past President Jack McGee. "With this new resource in place, we hope that professionals and volunteers providing support to Aboriginal youth are better equipped to deal with sexual exploitation in their communities."

3. School of Health Sciences

a. EMS Instructor Qualifications and Credentials Survey

The goal of this research project was to establish a baseline description of existing standards for EMS instructor qualifications and credentials. The premise of the study is that EMS instructor qualifications and credentials vary between institutions who provide EMS education in Canada. The project was conducted through a partnership between the Society for Pre-hospital Educators in Canada (SPEC) and the Justice Institute of British Columbia – School of Health Sciences (JIBC - SOHS).

SPEC and JIBC collaborated to develop questions for an online survey. Sixty-one EMS educational organizations from across Canada, both public and private, were approached, using mail and phone calls, asking if they would be willing to participate in the online survey. Forty-two organizations agreed to participate. Subsequent emails were sent providing access information to the online survey. Thirty-two participants completed the survey for an overall compliance rate of 52%.

Respondents were from British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, Prince Edward Island, and Newfoundland.

Survey results indicate that EMS educational institutions rely on field and clinical experience when recruiting instructional faculty. Formal academic credentialing in education or adult education is the exception rather than the rule with evidence that organizations look towards instructional skills training and specialized credentialing to meet program niche requirements. Program specific orientation, mentoring, and observation of teaching skills plays a large part in ensuring faculty are capable of teaching independently in the classroom. Monitoring of instruction plays a key role in quality assurance.

Organizational support for instructor professional development varies. Mandated and optional professional development tends to focus on instructional skills training and specialized instructor credentials. There is very little support for academic educational credentials. When survey respondents were presented with a wide range of adult education topics, most were of the opinion that these topics should be mandatory in an EMS related educational credential. Over 50% of respondents favour the concept of a national EMS instructor competency profile that would give educational organizations and individual instructors standards to base and compare their instructor qualifications against.

Further questions for discussion include:

- Would the findings of the survey be similar with other allied health care professionals?
- Is the quality of instruction “better” for those organizations that have higher credentialing standards?
- Does field and clinical experience truly make a difference in the quality of instruction?

Appendix A: Centre for Applied Research Strategic Plan



"Colleges make important contributions to advancing Canada's innovation capacity by working with businesses and playing a key role in translating knowledge into practical applications that open new markets and create high-value jobs. The applied research and training capacity at colleges and polytechnics is a tremendous resource for building a more knowledge-driven economy."
Government of Canada, Budget 2010

Centre for Applied Research Strategic Plan

Advancing justice and public safety through applied research

JUSTICE INSTITUTE OF BRITISH COLUMBIA

Applied Research Strategy Plan

Advancing justice and public safety through applied research

Applied research involves the systematic application of scientific principles to solve practical, real-world problems that improve the human condition or aid in the development and commercialization of products. Applied research uses the research community's accumulated knowledge, theories, methods of inquiry and research practices for client or partner driven purpose, and most often engages stakeholders in the process.

Scholarship forms the foundation of practice, training and education. Thus, Centre for Applied Research (CAR) takes the concept of scholarship as the central theme of its efforts. Specifically, the work of the CAR emerges from five functions – the scholarship of discovery, application, integration, teaching, and service.

Scholarship fosters the development of new knowledge and new insights, influences field practice, informs policy, shapes and enriches curriculum, enhances pedagogical practices, and challenges the individual to become a full participant in her or his discipline and community.

The practice of scholarship distinguishes the efforts of formal educational institutions from workplace training and every-day learning. Scholarship, broadly defined, can be conceived as a series of functions that reframes research as discovery, affirms and strengthens the role of teaching, enriches and focuses service and application as contribution to one's discipline and engagement with the broader community, and offers the concept of integration as a holistic, interdisciplinary mindset that fosters breadth as well as depth of understanding. Such a view of scholarship is expansive, integrative, and reflective of the rich roles that institutions such as the JIBC take in promoting, advancing, and seeding the disciplines, professions and communities they serve.

It is imperative at this point in its development for the JIBC to embrace scholarship from a pan-institution perspective that fosters partnerships with stakeholders in the community, informs best-practices, ensures that we remain on the leading edge of curriculum development, learning and teaching, while providing opportunities for faculty development. Engagement in applied research, and the development of research capacity, will enhance the reputation of the Institute and help create awareness of who we are, what we do, and how well we do it. An applied research agenda supports the continued development of centers of excellence within the justice and public safety communities that provide opportunity for student learning and success, the School's curriculum development, student engagement and stakeholder interaction, while providing a service to the local, provincial, national and international communities.

Colleges and institutes are ideal partners for SMEs. They provide innovative applied research solutions and produce graduates with the advanced skills required by employers.

James Knight,
President and CEO of ACCC

The practice of *scholarship* distinguishes the efforts of formal educational institutions from workplace training and every-day learning.

The Centre for Applied Research will help establish the JIBC as a leader in justice and public safety research that helps keep communities safe through applied research with first responders, practitioners, policy makers, stakeholders and services users.

Applied Research Strategy Plan

Advancing justice and public safety through applied research

VISION

The Centre for Applied Research has a *vision* of establishing the Justice Institute of British Columbia as the lead justice and public safety research institution in Canada, helping keep communities safe through an active applied research agenda engaging first responders, first receivers, practitioners, policy makers, stakeholders, and services users.

MISSION

The Centre for Applied Research *achieves this vision* by developing new knowledge in emerging disciplines that informs best practice and public policy, enhances justice and public safety curriculum, and leverages learning technologies and methodologies, and increases public awareness.

The Centre for Applied Research is dedicated to advancing justice and public safety through the scholarship of discovery, application, integration, teaching, and service.

VALUES

Building capacity in scholarship

- Create internal capacity to contribute to society through scholarship (framed as discovery, application, integration, teaching, and service)
- Promote student-led research as important for student learning, student success, fostering partnership with external agencies, and the development of a research culture

Advancing the development of our disciplines and professions

- Promote educational research focused on curriculum development and assessment, and implementation/evaluation of teaching and learning technologies and methods (e.g. simulation, distributed learning, experiential learning)
- Encourage cross-disciplinary initiatives through partnerships with stakeholders and industry

Leading applied justice and public safety research

- Conduct exploratory research focused on social, justice, and public safety issues that require action from the community and/or government (e.g. procedural, policy, services)
- Develop, evaluate, and commercialize justice and public safety processes and products, such as software training tools or field analysis tools



Applied Research Strategy Plan

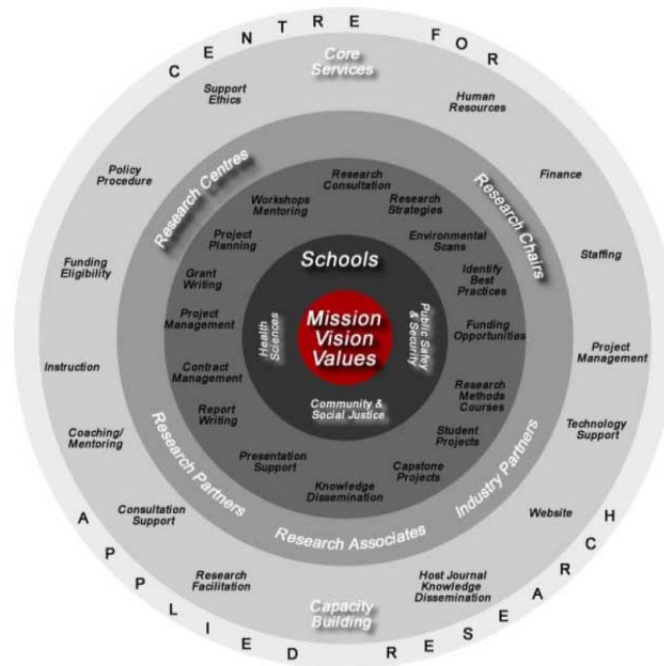
Advancing justice and public safety through applied research

APPLIED RESEARCH ROLE

The Centre for Applied Research's **core services** are to support JIBC Schools through capacity building, administration and infrastructure development.

The Centre for Applied Research provides **research operations** by establishing processes, structures and capacity together through the concept of centres and Chairs.

The Centre for Applied Research provides **research facilitation** by bringing School strategy, funding and research together.



Applied Research Strategy Plan

Advancing justice and public safety through applied research

STRATEGIES AND PRIORITIES

Research in Action

The Centre for Applied Research will build capacity, processes and structures around finance, staffing, project management and technology.

Applying Research

The Centre for Applied Research will assist Schools in developing research plans by identifying and evaluating current practice, best practice, and emerging trends.

Leader in Applied Research of social justice and social change

The Centre for Applied Research will develop (in collaboration with the External Relations Office) a communications and partnership plan to identify and engage funders, partners, policy makers and research chairs in the support and dissemination of research projects.

APPLIED RESEARCH WORKPLAN

The Centre for Applied Research will, as a guiding principle, establish short, medium and long term goals in each of three areas:

"Research in Action" encapsulates core services that are required to identify opportunities, respond to requests for proposals, and complete research projects

"Applying Research" captures the interplay between the Centre for Applied Research, the Schools and JIBC resources in fostering a culture of research within Schools, supporting current practices, and the development of proposals that help sustain the long term research goals of the JIBC and its Schools

"Research Leadership" will establish the JIBC and Research Centres as key national and international sources of applied research activity and services in justice and public safety

The success of such endeavors is reliant upon the successful interplay between the Centre for Applied Research, the Schools, External Relations, Marketing and Communications, and the Office of Graduate Studies and Academic Services. Through the development of the Centre for Applied Research internal research capacity will be cultivated and will provide a framework to shift the drivers for research from Centre for Applied Research to active researchers within Schools, to Research Centres that each support an integrated, pan-institutional, multi-disciplinary research program.

Applied Research Strategy Plan

Advancing justice and public safety through applied research

Research in Action		
Short Term	Building Capacity, Process and Structures	<ul style="list-style-type: none"> Core services required to support the application for, receiving and administering of research funding Establish logistical and administrative infrastructure Obtain eligibility from a broad range of funding sources; identify grant and contract funding sources
Medium Term	Establish institutional mechanism / process for research operations.	<ul style="list-style-type: none"> Operational infrastructure to support research
Long Term	Transition of capacity from OAR to Centres	<ul style="list-style-type: none"> Active research programs in each School and Division; each School has strategy, goals, Centres, and Chairs
Applying Research		
Short Term	JIBC Environmental Scan and Current Practices	Build an understanding of each School's and stakeholder's current research practices and needs <ul style="list-style-type: none"> Understand present capacity and past accomplishments Understand present need in communities
Medium Term	Research Strategies	Build research strategy with Schools <ul style="list-style-type: none"> Funding, opportunities, finding resources Develop strategic research plans with yearly operational goals in each School and/or Division Develop administrative infrastructure that supports research facilitation and operations Develop processes to support research facilitation (e.g. grant writing, contract management, knowledge dissemination)
Long Term	Active pan-institution engagement in programs of research and scholarship	<ul style="list-style-type: none"> Active research programs in each school and division; each school has strategy, goals, Centres, and Chairs
Leader in Justice and Public Safety Research		
Short Term	External Opportunity	Build an understanding the community's applied research needs <ul style="list-style-type: none"> Identify potential partners and models of engagement Identify "real world problems" through engagement
Medium Term	Funding and Partnership Plan	Develop funding plans supported by developing best practices that help keep communities and individuals safe <ul style="list-style-type: none"> World leader in justice and public safety research, influencing justice and public practice, policy, and curriculum Practitioners applying informed best practices Advancing best practice through new knowledge, new curriculum, new learning technologies
Long Term	Communications and Marketing Plan	<ul style="list-style-type: none"> Communication and Education world-wide that places the Justice Institute as the place to go for justice and public safety research

<p><i>Centre for Applied Research</i> has a <i>vision</i> to help keep communities safe through applied research with first responders, practitioners, policy makers, stakeholders and services users.</p>		
Research in Action	Applying Research	Research Leader
<p>Operational efficiencies</p> <p>System Wide Thinking</p> <p>Capacity Building</p>	<p>Leverage JIBC's unique applied learning methodology.</p> <p>Embrace new educational, research, and technological models</p>	<p>Engagement</p> <p>Partnerships</p> <p>Education and Uptake</p>
<p>To be a leader in justice and public research we must ensure the corporate structure and practice support the operationalization of the research strategy.</p>		

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JIBC

Appendix B: List of JIBC Applied Research Projects (2008-2012)

The JIBC supports research both through the Centre of Applied Research (CAR) and projects housed within specific Schools and Divisions. CAR projects focus on multi or interdisciplinary initiatives, while JIBC Schools engage in applied research within their specific areas of expertise, domains and disciplines, and areas of expertise.

JIBC research approaches applied problems from the perspective of the first responder. The Centre of Applied Research collaborates with public and private sector partners to attract and secure ongoing funding. Our multi-million dollar research portfolio includes grants, contract, and proposal commitments. The results of these projects lead to improvements in public policy, community awareness, field practice, and improved education for those who keep our communities safe.

JIBC Applied Research Projects 2008-2012

A. Applied Research - Centre for Applied Research

1. Centre for Resilient Communities
2. Centre for the Prevention & Reduction of Violence
3. JIBC Pan-Institute Research

B. External Projects Linked with JIBC Centre for Applied Research

C. Research - School of Public Safety & Security

1. Fire and Safety Division
2. Police Academy
3. Pacific Traffic Education Centre
4. Emergency Management Division
5. Corrections and Community Justice Division

D. Research - School of Community & Social Justice

1. Centre for Aboriginal Programs and Services
2. Centre for Counseling and Community Safety

E. Research - School of Health Sciences

A. Research - The Centre for Applied Research

1. Centre for Resilient Communities

a. Simulation Training and Exercise Collaboration (SIMTEC): Enhancing CBRNE Psychosocial Capacity and Capability Management.

Funded by: Centre for Security Science DND

Value: \$3,635,604 (CRTI \$2,217,513 In-Kind \$1,418,091)

Term: May 2011 – June 2015

Co-Principal Investigators: Laurie Pearce, PhD, Colleen Vaughan, MEd, Robin Cox, PhD

b. Rural Disaster Resilience Project (RDRP) “Building Resilience and Rural Health System Capability for Pre-Disaster Planning and Preparedness”

Funded by: Centre for Security Science DND

Value: \$3,174,186 (CRTI \$1,930,500 and in-kind: \$1,243,686)

Stage 1: Completed: October 2008 – October 2012

Principal Investigators: Greg Anderson, PhD, Ron Bowles, PhD candidate, Carol Amaratunga, PhD,

Co-Investigators: Laurie Pearce, PhD, Colleen Vaughan, MEd, Robin Cox, PhD

Implementation and Testing

Stage 2: Term: October 2012 – June 2013

Value: \$50,000

Principal Investigators: Greg Anderson, PhD, Ron Bowles, PhD candidate

c. Kids'N Crime Study (Sept 2010): Economic Aspects of The Development and Prevention of Criminally Among Children and Youth. A sequel to the Kids 'N Crime Report

Funded by: The Vancouver Board of Trade Foundation

Value: \$49,000 (\$40,000 for the report and \$9,000 for information dissemination)

Principal Investigator: Dave Park

Completed: 2009 - 2011

- An economic study with knowledge translation/engagement of BC policy audiences. The report details the long term socio-economic costs of not investing in early childhood education in BC.
- Pdf copy available on JIBC website.

2. Centre for the Prevention and Reduction of Violence

Funded by: The R. Howard Webster Foundation financial contribution of \$300,000 over four years with additional support of \$113,000 from the now dissolved BC Institute Against Family Violence.

a. Code White - Hidden Curriculum The Evaluation of the Code White Program to Reduce Workplace Violence At St. Paul's Hospital"

Report prepared for: Centre for the Prevention & Reduction of Violence, JIBC

Prepared by: Sevinj Askerova, PhD candidate and Richard Sullivan, PhD, School of Social Work, UBC

Completed: 2012

- Code White is a project with Providence Health Care. The Evaluation of the Code White Program to Reduce Workplace Violence at St. Paul's Hospital project looked at how hospital staff and other healthcare providers learn how to respond effectively to workplace violence, maintaining both public and personal safety. The project involved a systematic collection of information from those directly involved to determine the correlations among low injury report rates and, for example, skillful de-escalation of aggressive and violent situations; effective training and mentoring opportunities; staff self-selection as well as targeted recruitment of compassionate and responsive employees for this particular site with its particular patient population.
 - CPRV supported the services of a Doctoral Graduate Student, Sevinj Askerova, under the direction of Dr. Richard Sullivan, UBC School of Social Work to conduct an analysis of existing quantitative and qualitative data. The final report was completed March 2012.
- b. **"This is a man's problem": Strategies for working with South Asian male perpetrators of intimate partner violence**
Report prepared for: Centre for the Prevention & Reduction of Violence, JIBC
Co-Investigators: Gary Thandi, MSW with Bethan Lloyd, PhD
Report Completed: November 2011
- *"This is a man's problem"* was an exploratory project with frontline practitioners in lower mainland South Asian communities. We looked at the development of effective prevention and intervention strategies for male perpetrators of intimate partner violence. The first stage of this research involved in-depth qualitative interviews with 15 frontline practitioners in this field. The second stage of the research involved interviews with Corrections and Probation Officers.
 - Justice Canada provided additional funding of \$7,100 to host a community workshop (in Punjabi) April 2011.
 - Pdf copy available on JIBC website.
- c. **Domestic Violence Prevention and Reduction in British Columbia (2000-2010) Report**
Report prepared for: Centre for the Prevention & Reduction of Violence, Violence Reduction Circle, and JIBC
Report prepared by: Katherine R. Rossiter, PhD candidate (The FREDA Centre, SFU)
Report Completed: September 2011
- In collaboration with SFU, UVIC, and the BC Centre of Excellence for Women's Health, CPRV engaged multiple partners from the academic, community, clinical and public policy sectors to address the economic costs of violence in BC and develop and recommend a violence prevention policy framework for the province.
 - A pdf copy available on JIBC website.

3. JIBC Pan-Institute Research

- a. **Student Use of Information Technology**
Prepared for: JIBC Technology Enabled Learning and Teaching (TELT), Office of Applied Research and Student Services
Prepared by: Tannis Morgan and Greg Anderson
Completed: ongoing

B. External Research Projects Linked with CAR

These projects and initiatives were externally based but linked with JIBC Centre of Applied Research.

- a. **PrioNet Canada National Centre of Excellence**
Scientific Member (Industry Canada and SSHRC) In Land and Life: Multi-scale Implications of Chronic Wasting Disease for Aboriginal Communities and Other Stakeholders (S. McLachlan, University of Manitoba)
- b. **Centre for Intercultural Research on Prevention of Gender Violence (CIHR)**
With CIETcanada/University of Ottawa.
- c. **Enhancing Family Quality of Life Following Stroke**
Drummond Foundation with the University of Ottawa.
- d. **Mass Gathering Medicine Working Group**
Work with the Mass Gathering Medicine Working Group has been ongoing and fruitful. This collaboration resulted in the first JIBC CIHR grant application, and several presentations such as:
 - Development of a mobile, on-demand, on-site clinical record and information system for mass gatherings and event medicine
 - Systems approach to mass gathering medicine/ health research
 - Fostering community capacity: Implementation of the rural disaster resilience project.
- e. **A Framework for the Design of Computer-Assisted Simulation Training for Complex Police Situations.**
Funded by: Department of National Defense, Sweden
Principal Investigator: Tor Soderstrom, Umea, Sweden
Co-Investigators: Jan Åström, Greg Anderson and Ron Bowles
Completed: 2012

C. Research - The School of Public Safety & Security

1. Fire and Safety Division

The goal of Applied Research in the Fire & Safety Division is to bridge the gap between scientific research and practical applied application, which in turn translates into the safety and protection of both fire service personnel and the public. Initiatives are centered on practical applications but are also founded on sound methodological research principles and techniques, including ethical considerations, where applicable.

- a. **The Effectiveness of Current Fire Fighter Rapid Intervention Teams**
Funded by: WorkSafe BC
Value: \$43,860
Principal Investigator: James Carter, PhD, JIBC
Co-PI: Steve Wright, Port Coquitlam Fire and Emergency Services
Completed: 2010
- b. **Evaluation of Self Contained Breathing Apparatus**
Funded by: SCBA
Value: \$10,000

Prepared by: James Carter, PhD, JIBC
Completed: October 2010

2. Police Academy

The Police Academy's vision for research is to continue to provide research support and direction to the police, law enforcement, and security communities, by fostering the implementation of best practices. This knowledge is also used within the design, development, and delivery of our training programs. Applied research activities are undertaken collaboratively with government ministries, law enforcement partnerships, or self-sponsored by the Police.

- a. **Divisional Growth at the Justice Institute of British Columbia**
Prepared for: JIBC Justice and Public Safety Division
Principal Investigator: Carol Gardner
Completed: 2012
- b. **Evaluating the value of experiential learning through journaling training municipal police recruits in British Columbia to effectively address the needs of Mental Health Consumers**
Prepared for: JIBC Police Academy
Principal Investigator: Tara Horkoff
Completed: 2012
- c. **Bylaw & Licensing Review**
Prepared for: Licensing Inspectors & Bylaw Officers Association of BC (LIBOA)
Prepared by: Steve Schnitzer and Darrel Kean
Completed: 2012
- d. **Changing Ethical Valuations of Police Recruit**
Prepared for: JIBC Police Academy
Prepared by: Steve McCartney
Completed: 2011
- e. **Training Review For DFO Fishery Officer Special Provincial Constable (SPC) Designation**
Funder: Department of Fisheries and Oceans
Completed: 2011
- f. **Identification of Potential Risk Factors for Injury to Police Officers using New Technologies**
Funder: WorkSafe BC
Value: \$15,138
Principal Investigator: Axel Hovbrender, MA, JIBC
Co-Investigator: Silvia Raschke, PhD, BCIT
Completed: 2008-2009
- g. **A Collaborative Approach to Ensuring the Health and Safety of Persons with Disabilities when Interacting with Law Enforcement Officers.**
Funder: Disabilities Health Research Network
Value: \$14,988
Principal Investigator: Axel Hovbrender, MA, JIBC
Co-Investigator: Silvia Raschke, PhD, BCIT
Completed: 2008-2009

h. Spectral Analysis of Canadian Currency

Prepared for: RCMP "E" Division Commercial Crime Section

Value: \$67,120

Prepared by: Dr. Margaret Kalacska, Titan Analysis Ltd., and Rick Parent, PhD, JIBC Police Academy

Completed: 2008

3. Pacific Traffic Education Centre

The Pacific Traffic Education Centre (PTEC) has the facilities and expertise to meet the research needs of professionals and agencies in the areas of driver education and training, crash investigation, and road safety. PTEC promotes road safety through its affiliations with Crown Corporations, Transport Canada, the BC government, and private industry.

a. On-road Driving Assessment of Older Adults

Prepared for: JIBC Pacific Traffic Education Centre and UVIC Centre on Aging

Prepared by: Kristina Kowalski, MSc, Holly Tuokko PhD, RPsych and Karen Tallman, PhD

Completed: 2008

4. Emergency Management Division

a. Are experiences gained in immersive computer simulations effective for increasing experiential knowledge?

Prepared for: JIBC Emergency Management Division

Prepared by: Robert Walker

Completed: 2011

5. Corrections and Community Justice Division

a. Assessing the Effectiveness of the YPO On-Line Training Program

Prepared for: JIBC

Principal Investigator: Karla Gronsdahl, MA

Completed: 2008-2009

D. Research - The School of Community & Social Justice

1. Centre for Aboriginal Programs and Services

a. Pilot Study on Increasing Aboriginal Enrolment Through Marketing at the JIBC

Prepared for: Simon Fraser University

Prepared by: Kathlen Burke, PhD, Tami Pierce, and Barb Kojder

Completed: 2012

b. Aboriginal Student Dialogue

Funder: Aboriginal Health & Human Resource Initiative

Prepared for: BC Aboriginal Post-Secondary Coordinators Project

Prepared by: Tami Pierce

Completed: 2012

2. Centre for Counseling and Community Safety

- a. **Restoring the Honouring Circle: Taking a Stand Against Youth Sexual Exploitation. An Information, Prevention, and Capacity Building Manual for Rural Communities in British Columbia**
Funded by: Assistant Deputy Minister's Committee on Prostitution and Sexual Exploitation; and Ministry of Public Safety and Solicitor General (Victim Services Division)
Prepared for: School of Community and Social Justice, JIBC
Value: \$40,000
Prepared by: Sarah Hunt
Prepared for: School of Community and Social Justice
Completed: 2007 - 2011
- b. **Balancing Conflicting Interests: A Counsellor's Guide to The Legal Process – Third Edition**
Funded by: Law Foundation of BC
Value: \$15,000
Prepared for: Centre for Counselling and Community Safety, School of Community and Social Justice, JIBC
Prepared by: Maureen McEvoy
Completed: 2011, revised 2013
- c. **Sexual Exploitation Toolkit: One-stop resource for information on the commercial sexual exploitation of children and youth, with a focus on BC** (*online resource only*)
Funded by: Ministry of Public Safety & Solicitor General (Victim Services Division) & Public Safety & Emergency Preparedness Canada
Value: \$21,000
Prepared for: Centre for Counselling and Community Safety, JIBC
Prepared by: Sara Hunt
Completed: 2008
- d. **Empowerment for Immigrant and Refugee Women who are Victims of Violence in Their Intimate Relationships**
Funder: Vancouver Foundation; Government of Canada, Department of Canadian Heritage; Province of British Columbia, Ministry of Public Safety and Solicitor General (Victim Services Division); Justice Institute of British Columbia.
Value: \$15,000
Prepared for: JIBC
Completed: 2007, Revised May 2008
- e. **Violence in the Lives of Sexually Exploited Youth and Adult Sex Workers in BC**
Funded by: Assistant Deputy Minister's Committee on Prostitution and Sexual Exploitation
Prepared for: School of Community and Social Justice, JIBC
Prepared by: Sarah Hunt
Prepared for: JIBC
Completed: 2006

E. Research - The School of Health Sciences

- a. **Building Resilience Among Paramedic Students**
Prepared for: Healthy Minds Healthy Campus (CMHA)
Value: \$5000

Principle Investigator: Glenda Kerr
Co-PI: Greg Anderson, PhD
Term: 2012- 2013

b. EMS Instructor Qualifications and Credentials

Prepared for: JIBC School of Health Sciences and Society for Prehospital Educators in Canada
Prepared by Barrie Morrison, M.Ed. (DE)
Completed: 2012

c. Rocks in the River: A Model of Distributed Learning

Prepared for: School of Health Sciences
Principal Investigator: Ron Bowles, PhD candidate
Completed: 2010

d. A Survey of Simulation Use at the Justice Institute of British Columbia

Prepared for: School of Health Sciences
Principal Investigator: Ron Bowles, PhD candidate
Completed: 2010

e. From Diagnosis to Discernment: Fostering the Development of Clinical Judgment in Recruit Paramedics in High Fidelity Simulation Environments

Prepared for: JIBC School of Health Sciences and UBC Faculty of Education
Principle Investigator: Ron Bowles MET, PhD Dissertation SSHRC Graduate Scholarship
Completed: 2010

f. Prehospital clinical performance global rating scale, Primary Care Paramedic scale validation study

In cooperation with the Society for Prehospital Educators of Canada
By: Ron Bowles, PhD candidate, Rick Wong, Steven Mills, Barry Morrison
Completed: 2010

Appendix C - Chronological Applied Research Activities and Events List (2008-2012)

2008

JULY

- Dr. Carol Amaratunga hired as the first Dean, Applied Research at the JIBC

SEPTEMBER

- September 23-26, Dr. Carol Amaratunga attended the *On Scene 2008* Conference inaugural multi-agency (Fire, Police, EMS) training event in Regina.
- The Integrity of Research and Scholarship Policy approved by the JIBC Board of Governors.

OCTOBER

- October 15, Dr. Carol Amaratunga attended the *Rona Kinetics Vehicle Safety Symposium* in Vancouver.
- October 24, Dr. Carol Amaratunga attended the *BC CRTI DND Psychosocial Workshop* organized by the JIBC.

NOVEMBER

- November 6-8, Dr. Carol Amaratunga attended the *Canadian Pandemic Preparedness CIHR* conference in Winnipeg.
- November 25-27, Dr. Carol Amaratunga attended the 21st Annual Emergency Preparedness Conference “*Lead, Follow or Get Out of The Way*” in Vancouver.
- The Research Associates Procedure approved by JIBC Management Committee.

DECEMBER

- December 8-9, Applied Research Committee Retreat “*Research that Inspires Solutions...The Imperatives for Building an Applied Research Culture at the JIBC*” with Art Hanson, Distinguished Fellow and Past President of the International Institute for Sustainable Development.

2008 YEAR END SUMMARY

- The Research Ethics Committee approved 4 research ethics reviews.
- There are 3 Research Policies and 1 Procedure approved.

2009

JANUARY

- Administrative Research Assistant Karen Hodson hired.
- Geoff Burston seconded to work half time (from Fire & Safety Division) with ARD
- January 22, JIBC Applied Research Lecture Series “Research that Inspires”: Dr. William Ryerson, President of the Population Media Centre. “*Everything You Ever Wanted to Know About Sex, Soap Operas and Climate Change.*”

MARCH

- The JIBC Award of Excellence in Applied Research was established with Geoff Burston receiving the first award.
- March 1-3, Dr. Carol Amaratunga attended the PrioNet Canada 2009 “*Navigating the Risks*” Research conference in Edmonton.

APRIL

- Research Associates Dr. Arthur Hanson, Dr. Laurie Pearce, Dr. Lorraine Greaves and Dave Park approved as JIBC for an honorary 3 year term.
- April 27-29, Dr. Carol Amaratunga attended the Emergency Preparedness for Industry & Commerce Council *EPICC Forum 2009 “Plan for Tomorrow, Today!”* event.

MAY

- Research Associates Dr. Silvia Rashke, Dr. Jocelyn Peddar, Dr. Rishi Bhalla, Dr. Robin Cox, Dr. Jim Carter, Linda Light and Sara Hunt approved for an honorary three year term.
- May 29-22, Dr. Carol Amaratunga attended the Canadian Social Forum, hosted by the Canadian Council on Social Development in Calgary.
- May 12-15 JIBC a sponsor of the World Congress on Disaster and Emergency Medicine in Victoria, BC. Presentations and moderating sessions.
 - o Two presentations by ARD Dean Dr. Carol Amaratunga: (1) “*SARS: Caring for Nurses in Public Health Emergencies*”, (2) “*In Gauze we Trust*” Lessons Learned from a Gendered Profession during SARS
 - o RDRP presentations by Research Associates Dr. Laurie Pearce and Dr. Robin Cox.
 - o Coordinated the Pre-Congress International Psychosocial Task Force Workshop which resulted in developing a *Declaration of Psychosocial rights: Guiding Principles – Call to Action* which was adopted by WADM and will be printed in their journal.

JUNE

- The Centre for the Prevention & Reduction of Violence Launch on June 29th. Guest Speakers Dr. Elizabeth Whynot and speaker panel: Lou Demerais, Shashi Assanand, Kate Hodgson and Alex Hovbrender. Funding for the Centre is from the R. Howard Webster Foundation (\$300,000) and the BC Institute of Family Violence (\$114,000).
- June 15-18, Dr. Carol Amaratunga attended the 7th Annual CRTI Summer Symposium “*Bridging the Gap between S & T Producers and Users*” in Ottawa. Presenting the Rural Disaster Resilience Project (RDRP) in the poster session.
- June 26, Dr. Carol Amaratunga attended the *Climate Change and Health in Rural and Remote BC* hosted by the BC Rural and Remote Health Research Network, SFU.

JULY

- July 12-17, Dr. Carol Amaratunga presented “*Piercing the Cloak of Invisibility: The Privilege and Power of Mentorship*” at the Oxford Round Table, Oxford, UK.
- July 21, Dr. Carol Amaratunga attended, as a member of the Vancouver Board of Trade Health Care Task Force, the *Forum on Health Care – Business Policy* meeting hosted by the Vancouver Board of Trade.

SEPTEMBER

- September 18, Dr. Carol Amaratunga presented at the *Aboriginal Education Advisory Council* meeting.
- September 24-25, Dr. Carol Amaratunga attended the *Pathways to Health and Healing* conference at UVIC.

- September 29, Dr. Carol Amaratunga attended the *Hazards to Canadian Critical Infrastructure: Reducing the Risk in BC* workshop organized by Natural Resources Canada/ Public Safety Canada at SFU.

OCTOBER

- The Procedures: Promoting Integrity of Research – Responsibility of the Institute; Promoting Integrity of Research – Responsibility of the Researcher; and Investigating and Responding to Allegations of Misconduct are approved by JIBC Management Committee.

NOVEMBER

- November 18-19, The JIBC Applied Research Committee Research Retreat “*Research Involving Aboriginal Peoples*”. in cooperation with the JIBC Centre for Aboriginal Programs and Services, Community and Social Justice Division and CRTI “Rural Disaster Resilience Project” (RDRP). Keynote speaker: Dr. Richard Atleo, Hereditary Chief Nuuchah-nulth people, Ahousaht First Nation. Research Liaison, University of Manitoba and Associate Adjunct Professor, University of Victoria.
- November 24-25, Dr. Carol Amaratunga attended the 22nd Annual Emergency Preparedness Conference “*From Ideas to Action – Get it Right*” in Vancouver.
- The JIBC Research Procedures: Governance of JIBC Ethics Review Committee; Scope and Approach of the Ethics Review Committee; Conflicts of Interest; Free and Informed Consent; Privacy and Confidentiality of Research Information; Inclusion in Research: Respecting Gender, Equity and Diversity; Ethical Review of Human Tissue; Multi-Jurisdictional Research; Research Ethics Appeal Process; and Undertaking Qualitative Research are approved by JIBC Management Committee.

2009 YEAR END SUMMARY

- 11 JIBC Research Associates approved.
- A suite of 3 Research Policies and 14 Procedures have been approved to date.
- The Research Ethics Committee approved 3 research ethics reviews.

2010

FEBRUARY

- February 4-5, Dr. Carol Amaratunga invited to present at the Association of Canadian Community Colleges (ACCC) research themed day in Ottawa, highlighting JIBC research and processes.
- Funding approved: Dr. Carol Amaratunga, Co-Principal Investigator for the research project “Centre for Intercultural Research on Prevention of Gender Violence” A CIET Canada (Ottawa) project through the University of Ottawa. JIBC was one of 11 institutions across Canada involved with the five year \$2,000,000 project.
- Name changed to “Office of Applied Research” from the Applied Research Division.
- The research Procedure Initiation and Administration of an Ethical Review approved by JIBC Management Committee

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MARCH

- March 9-10, Dr. Carol Amaratunga and Grant Kinney (PTEC) attended the Simulation Advisory Meeting and participated in the RCMP Depot Simulation Training: PRISim Fire Arms and Driver Training workshop in Regina.
- JIBC Award of Excellence in Applied Research 2010 award recipient was Dr. James Carter.
- Discussions with the Government of Sri Lanka for Post Graduate Fellowships with the School of Health Sciences in conjunction with the Office of Applied Research for one year postings
- JIBC joins the BC Applied Research and Innovation Network.

APRIL

- April 22, JIBC Research Commons was established and housed the Centre for Resilient Communities, specifically the RDRP and SIMTEC projects. The Research Commons was located at #200 – 800 McBride in the Royal Square Mall in New Westminster, just across from the main JIBC Campus.
- The Kids'N Crime Final Report completed. This Project was funded by the Vancouver Board of Trade.
- April 30, Dr. Carol Amaratunga presented at the UBC School of Medicine on the RDRP project.

JUNE

- June 6-8, Dr. Carol Amaratunga attended the Association of Canadian Community Colleges (ACCC) Annual Conference *Power the Future – Transforming Communities Through Learning* in Niagara Falls.
- June 14-16, Dr. Carol Amaratunga attended the CRTI Summer Symposium *Concept to Capability – Enhanced Public Security through Collaborative S & T* and presented a poster and gave a presentation on the RDRP Project.

JULY

- Research Associates Dr. Harold Wynne, Dr. Elizabeth Whynot and William Hubbard approved for an honorary three year term.

AUGUST

- The research Procedure Research Involving Aboriginal Peoples approved by JIBC Management Committee

SEPTEMBER

- September 17, Dr. Carol Amaratunga attended “*Land-use Decision Support: Reducing Risk from Hazards*” workshop by with the Centre for Natural Hazard Research with support from Natural Resources Canada/ Public Safety Canada
- September 30, Pamela Giberson, Research and Innovation Development Officer at NSERC's Regional office invited as guest to give a presentation at Applied Research Committee.
- Research Associates appointed to honorary 3 year appointments: Dr. Harold Whyne, William Grant Hubbard and Dr. Elizabeth Whynot.

OCTOBER

- October 1, Greg Crätzig, Training, Innovation and Research from RCMP Depot Division in Regina invited to provide an invitation only simulation presentation “*Synthetic Training Environments: Do the Lessons Learned Translate to Real World Performance?*” as part of his research with the Cadet Police Driver Training program and his preliminary study involving firearms research.

NOVEMBER

- Research Policies: Academic Freedom (Applied Research) and Commercialization of Research Intellectual Property approved by the JIBC Board of Governors.
- Research Procedures: The Visiting Applied Research Chairs, Post Graduate Scholars and Faculty; Academic Freedom (Research); Ownership of Intellectual Property; Disclosure; Commercialization and Revenue Sharing; and Dispute Resolution approved by JIBC Management Committee.

2010 YEAR END SUMMARY

- 3 new JIBC Research Associates approved with 14 in total
- A suite of 5 Research Policies and 22 Procedures have been approved to date.
- The Research Ethics Committee approved 4 research ethics reviews.

2011

JANUARY

- \$7,000 grant from the Federal Department of Justice for the National Victims of Crime Fund awarded to CPRV for “*This is a Man’s Problem*” *Strategies for working with South Asian male perpetrators of Intimate Partner Violence*. The funding enabled a community event to be held in Punjabi where the knowledge gained from the JIBC research could be disseminated including focusing on prevention efforts involving the community.
- January 11-29, Dr. Carol Amaratunga International Mission Trip to Colombo, Sri Lanka. Meetings were held with Government of Sri Lanka Ministry representatives and key contacts for potential training, education and applied research partnership opportunities.

FEBRUARY

- February 17, the first annual JIBC Research Day event is launched. *Building and Enhancing Applied Research Capacity*. Keynote guest speaker Dr. Art Hanson, JIBC Research Associate, Distinguished Fellow and Past President of the International Institute for Sustainable Development.
- New JIBC website launched including an updated Research section.

MARCH

- The JIBC Award of Excellence in Applied Research 2011 award recipient was Gary Thandi.
- CRTI Interoperability Impact Project Proposal – definition stage of application process approved. The three year project has a proposed \$2,755,000 budget (\$1,650,000 with in-kind \$1,105,000).
- A Research office at the JIBC Victoria Campus opens.
- Ron Bowles, new Research Strategist, Office of Applied Research (relocated from SOHS)
- The CRTI project 08-0114RD SIMTEC approved. The Value: \$3,635,604 (CRTI \$2,217,513 In-Kind \$1,418,091), five year project with simulation technology approved.
- March 21, Dr. Carol Amaratunga attends the Association of Canadian Community Colleges Applied Research Symposium, Victoria.

MAY

- In May, JIBC was granted eligibility for funding from the Canadian Foundation for Innovation (CFI). This federal agency provides infrastructure funding to support projects funded by Tri-Council Federal funding agencies. The JIBC has a signed institutional agreement with CFI.
- May 5-11, Dr. Carol Amaratunga attends the 1st Annual Rural Research Workshop “From Policy to Research and Back Again” with the Canadian Alliance for Community Services – Learning and the Canadian Rural Revitalization Foundation in Ottawa.

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- May 27, SIMTEC Project contract awarded. Project is in start-up phase.

JUNE

- June 6, Jim Boerma joined the SIMTEC Project as Project Manager.
- June 13, Dr. Laurie Pearce attended the CRTI Summer Symposium and delivered a presentation on the SIMTEC Project.
- June 16, JIBC Ethics Review Committee holds workshop on ethics with Dr. Bethan Lloyd.
- June 14-15, Dr. Carol Amaratunga attends the In Land and Life National Policy Gathering in Edmonton, part of the PrioNet Canada program.

JULY

- July 1, Dr. Laurie Pearce was officially appointed Research Chair for the Justice Institute of British Columbia.
- July 20-22, Dr. Carol Amaratunga attends the *International Conference on Building Resilience – Interdisciplinary approaches to disaster risk reduction and the development of sustainable communities* organized by the Centre for Disaster Resilience, held in Kandalama, Sri Lanka. Meetings held with Government of Sri Lanka Ministry representatives and key contacts for potential training, education and applied research partnership opportunities.
- Dr. Carol Amaratunga, Dean of Office of Applied Research retires
- Geoffrey Burston, Research Strategist, Retires
- Research Associates Dr. Carol Amaratunga, Geoffrey Burston and Valerie Spicer approved for an honorary three year term.
- July 31, SIMTEC Project website launched (<http://simtec.jibc.ca>)

AUGUST

- Dr. Greg Anderson, appointed as the new Dean, Office of Applied Research

SEPTEMBER

- Official launch of the CRTI project 08-0114RD SIMTEC, \$2.2 million, five year project with simulation technology.
- JIBC approved for Canadian Foundation for Innovation (CFI) to be eligible for funding applications.
- JIBC signs a MOU s with NSERC – Natural Sciences and Engineering Research Council.
- September 14, Dr. Greg Anderson and Mike Trump attend the Visual Analytics for Command, Control, and Interoperability Environments (VACCINE) DHS – COE annual meeting in West Lafayette, IN.

OCTOBER

- Research Associate Keith Wilkinson approved for an honorary three year term.
- October 4, Delegation from the Centre for the Prevention and Reduction of Violence (CPRV), Violence Reduction Circle meet with Mary Ellen Turpel-Lafond, Representative for Children and Youth, Province of BC, in Victoria.
- October 11, 12, 13 SIMTEC Project Inception meeting, Expert Working Group meeting and Project Review Committee meeting.
- October 18-21, Fr. Greg Anderson and Ron Bowles attend the following in Ottawa.
 - o Canadian Risk & Hazards Network (CHRN) National Roundtable on Disaster Risk Reduction.
 - o 8th Canadian Risk and Hazards Network (CHRN) Symposium “Building Resilience”
 - o The Rural Disaster Resilience Project (RDRP) Project Review Committee Meeting, National Policy Forum and Expert Working Group
 - o Meetings held with DRDC, ACCC, NSERC, SHRCC, and CFI

NOVEMBER

- November 21 media event at the JIBC to release the CPRV Research Report *"This is a man's problem" Strategies for working with South Asian male perpetrators of intimate partner violence* by Gary Thandi and Dr. Bethan Lloyd.
- November 14-18, Dr. Greg Anderson attends Association of Canadian Community Colleges, 2nd Brazil-Canada Forum of Technical and Professional Education meeting in Montreal.
- November 28-29, Dr. Greg Anderson invited to University of Alberta, Faculty of Physical Education & Recreation as a guest lecturer.

DECEMBER

- JIBC receives Natural Sciences and Engineering Research Council of Canada (NSERC) eligibility.
- December 5 media event at the JIBC to release the CPRV Violence Reduction Circle Report *Domestic Violence Prevention and Reduction in British Columbia (2000-2010)* prepared for CPRV by Katherine Rossiter, PhD candidate.

2011 YEAR END SUMMARY

- 3 new Research Associates appointed with 18 in total.
- A suite of 5 Research Policies and 22 Procedures have been approved to date.
- The JIBC Research Ethics Committee approved 5 research ethics reviews.
- The Office of Applied Research Strategic Plan completed.

2012

JANUARY

- January 31 - Centre for the Prevention and Reduction of Violence (CPRV) strategic planning meeting held.

FEBRUARY

- JIBC receives Social Sciences and Humanities Research Council of Canada (SSHRC) eligibility.
- February 10, conducted the SIMTEC Pilot *Winter Blues!* Exercise.
- 2nd Annual JIBC Research Day on February 16, 2012. *The Research Process: Idea to Publication*. Keynote guest speaker Dr. Laureen Styles, Executive Director, BC Academic Health Council.
- Research Associates Dr. Adam Lund and Dr. Sheila Turris approved for an honorary three year term.
- February 28-March 1, Dr. Greg Anderson attends the Association of Canadian Community Colleges ACCC Applied Research Symposium 2012 in Ottawa.

MARCH

- A nomination process is initiated for recruitment to the new Research Ethics Board.
- March 9, conducted the SIMTEC Test *Winter Blues!* Exercise.
- March 19-22, hosted a delegation from Umeå University in Sweden. Discussion of opportunities for collaboration and shared research/education opportunities.
- The amended Procedures: Governance of JIBC Research Ethics Board; Scope and Approach of the Research Ethics Board; Conflicts of Interest; Free and Informed Consent; Privacy and Confidentiality of Research Information; Inclusion in Research: Respecting Gender, Equity and Diversity are approved by JIBC Management Committee.

APRIL

- The Applied Research Overhead Policy and the revised Research on Human Participants Policy (which includes the creation of a Research Ethics Board to replace the Research Ethics Committee) are approved by JIBC Board of Governors.

MAY

- May 28, Dr. Laurie Pearce (Research Chair and Co-Principle Investigator for the SIMTEC Project) and Colleen Vaughan (Co-Principle Investigator for the SIMTEC Project) attended the Provincial CBRNE Task force meeting.

JUNE

- JIBC Research Poster permanent display board set up in the Atrium for research posters to be rotated on display.
- The revised Policies: Integrity of Research and Scholarship; Commercialization of Research Intellectual Property; and Academic Freedom (Applied Research) approved by JIBC Board of Governors
- JIBC Research Ethics Board is reconstituted and first meeting will be September 13. The new members include two representatives from each of the Schools, a member from Graduate Studies, and three community members and a non-voting resource member from Office of Applied Research.
- June 11-15, Dr. Laurie Pearce presented a SIMTEC Project poster at the CRTI Summer Symposium, Ottawa.

AUGUST

- The Office of Applied Research was renamed the Office of Applied Research & Graduate Studies (OARGS) led by Dr. Greg Anderson, Dean. Reporting to the Office is the Centre for Applied Research, Centre for Teaching, Learning & Innovation and the Centre for Graduate Studies & Academic Planning and Research Centres.
- July 14-17, Dr. Laurie Pearce (SIMTEC) attended the 37th Annual Natural Hazards Research and Applications Workshop, Boulder, Colorado.

SEPTEMBER

- September 6-7, Dr. Greg Anderson and Dr. Stuart Ruttan attend the CFET 6th *International Conference on Cybercrime Forensics Education & Training*. Organized by Canterbury Christ Church University in Canterbury, UK. Meetings held to sign MOU with Christ Church University and JIBC.

OCTOBER

- Research Associates honorary three term renewed: Dr. Rishi Bhalla, Dr. Jim Carter, Dr. Robin Cox, Dr. Lorainne Greaves, Dr. Jocelyn Pedder, Dr. Silvia Rashke and Linda Light.
- The NSERC Traffic Safety & Injury Prevention Chair proposal was submitted. Funding amount: \$3.6 million (\$1.9 and \$2.4 million in contra)
- October 10-13, Dr. Greg Anderson presents at the CSEP Field of Dreams conference in Regina.
- October 23-26, Dr. Greg Anderson and Dr. Laurie Pearce attend CHRNet 3rd *National Platform Roundtable on Disaster and Risk Reduction* and *CHRNet Symposium Lifeline Connections for Resilience*, in Vancouver. Dr. Pearce presents on the SIMTEC project and progress to date on Winter Blues!
- October 29, conducted the SIMTEC Final *Winter Blues!* Exercise.
- October 30-31 SIMTEC Expert Working Group and Project Review Committee meetings.
- The amended research Procedures: Initiation and Administration of an Ethical Review, Ethical Review of Human Tissue, Multi-Jurisdictional Research, Research Ethics Appeal Process,

Undertaking Qualitative Research and Research Involving Aboriginal Peoples are approved by JIBC Management Committee.

NOVEMBER

- November 6-8, Dr. Laurie Pearce attended the 25th Annual Emergency Preparedness Conference in Vancouver and presented on the SIMTEC project and progress to date on the *Winter Blues!* Exercise.
- November 27-28, Dr. Greg Anderson presents a session and a poster at the First Australian Conference on Physiological & Physical Employment Standards. The conference was organized by the Defence Science and Technology Organization (Australia) and the University of Wollongong, Australia.

2012 YEAR END SUMMARY

- Two new Research Associates appointed, five with terms expired and not renewed, for a total of 15 Research Associates.
- The Research Ethics Board (Pre-September, Research Ethics Committee) approved 8 research ethics reviews.
- A suite of 6 Research Policies and 22 Procedures have been approved to date. (4 Policies and 12 Procedures were updated and amended to meet TCPS2 requirements).
- The JIBC White Paper – *Scholarship at the JIBC* issued.

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