



**Dr. Yvan Bédard**  
**Professeur titulaire**  
**Université Laval**

Dr Yvan Bedard is the Scientific and Strategic Advisor at Intelli3, a company specializing in Geomatics, Business Intelligence and Analytics that he co-founded in Quebec City in 2009. Dr Bédard has been professor in GIS and Spatial Databases at Laval University's Geomatics Department for 28 years where he had a very successful career. He's a long-time collaborator of the University of New-Brunswick's Department of Geodesy and Geomatics Engineering, and he's a Distinguished Engineer from the University of Maine where he obtained his PhD. He has received prestigious awards in diverse fields such as Engineering, Surveying, Computer Science, Business Management and Teaching. He was the founding-director of the Centre for Research in Geomatics which celebrates its 25th anniversary this year. He was also one of the most involved researchers in Canada's GEOIDE Network of Centers of Excellence in Geomatics co-founded by Laval University, UNB and the University of Calgary. He chaired a major NSERC Industrial Research Chair in Geospatial Database and Business Intelligence which involved nine industrial and government partners. Dr Bédard had a multi-million dollars record in both fundamental and applied multidisciplinary GIS research and is recognized as a pioneer in Spatial Database Modelling as well as in Geospatial Business Intelligence. He has contributed to over 160 full-refereed papers and 250 conferences worldwide as well as offering continuing education to 1500 professionals on three continents. He has been widely involved with industry and governments during his academic career and he now continues on a part-time basis as a private consultant as well as for on-demand projects with Intelli3. His expertise relates to Spatial Databases Design, Spatial On-Line Analytical Processing and Spatial Data Quality.

**Monday, September 15, 2014**  
**UNBF**

**4:00 p.m.**  
**C13, Dineen Auditorium, Head Hall**

*Welcome*  
*Dr. Chris Diduch*  
*Interim Dean of Engineering*

*Introduction of Dr. Bédard*  
*Dr. Monica Wachowicz*

***“The New Power of WHERE”***

*Thanking Dr. Bédard*

JAMES OWEN DINEEN (1920-1975) was born in Hampton, New Brunswick. He earned his Bachelor and Master of Science Degrees in Electrical Engineering at UNB. His academic awards included a Beaverbrook and a Rhodes Scholarship, as well as the Leonard Scholarship from the University of Toronto. He began teaching at UNB in 1942 and moved through the ranks in the Electrical Engineering Department to become Dean of Engineering. After six months as Acting President, he was named President of UNB in January 1970, a post he held until his resignation on June 30, 1972 due to ill health. His contributions in the field of educational and professional activities were recognized by honorary degrees from McMaster and Saint Thomas Universities, Université de Moncton, Nova Scotia Technical College, and UNB, and the granting to him in 1974 of the Julian Smith medal by the Engineering Institute of Canada for achievement in the development of Canada. An extract from a tribute to him by the Council of the UNB Faculty of Engineering expresses the impact he had on his colleagues, "Jim Dineen was gifted with intellectual capacity, physical stamina, and ability to accomplish, that might have caused him to treat much of mankind with condescension, but not a trace of this negative characteristic existed in his makeup. In all his dealings with others, he showed kindness, good humor, firmness, and deep understanding that distinguished him as practitioner of love for his fellow man in its most all-embracing and unselfish form".

#### Dineen Lecturers

2012/13 – Dr. Richard Marceau, Provost, University of Ontario Institute of Technology  
 2011/12 – Dr. David Ullman, President, Robust Decisions Inc.  
 2010/11 – Dr. Scott Fogler, University of Michigan  
 2009/10 – Dr. Suhas Patankar, President, Innovative Research, Inc.  
 2008/09 – Mr. William Kennedy, b7kennedy & Associates Inc.  
 2007/08 - Mr. Michael Whitford, Jacques Whitford Limited  
 2006/07 - LCol. Pierre Bilodeau, Mapping & Charting Establishment, Canadian Defence Geomatics Unit  
 2005/06 - Dr. Caroline Baille, Dupont Canada Chair of Engineering Education Research and Development, Queen's Univ.  
 2004/05 - Mr. Darcy Spady, Vice-President, Canadian Operations for Columbia Natural Resources  
 2003/04 - Mr. John L. Mann, Director, Engineering, DaimlerChrysler Canada  
 2002/03 - Dr. Peter G. Jollymore, Vice President, Planning and Marketing, NBTEL (retired)  
 2001/02 - Dr. Kerry Rowe, Vice Principal (Research), Queen's University  
 2000/01 - Dr. Philip Mattos, Chief Engineer, GPS and Navigation STMicroelectronics  
 1999/00 - Dr. David Sanborne Scott, Institute for Integrated Energy Systems, University of Victoria  
 1998/99 - Dr. James C. Otis, Research Director, Hospital of Special Surgery, Motion Analysis Laboratory  
 1997/98 - Dr. Karl Åström, Professor of Automatic Control, Lund Institute of Technology, Lund, Sweden  
 1996/97 - Dr. Bruce Hutchinson, Professor of Civil Engineering, University of Waterloo, Waterloo  
 1995/96 - Col. James K. Simpson, Director of Geomatics, National Defence Headquarters, Ottawa  
 1994/95 - Dr. Terrance E. Rummery, Science Advisor, Atomic Energy Canada Ltd.  
 1993/94 - Dr. G. J. Olling, Executive, CAE/CAD/CAM Research and Development, Chrysler Corporation  
 1992/93 - Dr. D. Michael Caughey, Director of Consortia Development, Ottawa Carleton Research Institute  
 1991/92 - Dr. John A. Cherry, Professor of Earth Science, University of Waterloo  
 1990/91 - Dr. Peter Cashin, Assistant Vice-President, Computing Research, Bell Northern Research, Ottawa  
 1989/90 - Dr. John S. MacDonald, Chairman of the Board, MacDonald Dettwiler and Associates Ltd.  
 1988/89 - Mr. George S. Petty, Chairman and CEO, REPAP Enterprises Corp. Inc., Montreal  
 1987/88 - Dr. Karl H. Doetsch, Director of Space Projects, NRC, Ottawa  
 1986/87 - Dr. Martin Levine, Director, Research Centre for Intelligent Machines, McGill University  
 1985/86 - Dr. Carl S. Ledbetter, Manager, Scientific/Engineering Product Strategy and Planning in the Data Systems Division, IBM, Kingston, NY  
 1984/85 - Dr. Alan G. Davenport, Director (and Founder), The Boundary Layer Wind Tunnel, University of Western Ontario, London  
 1983/84 - Dr. George G. Garland, Professor, University of Toronto  
 1982/83 - Dr. A. J. Moradian, Senior Vice-President, Atomic Energy of Canada Ltd., Ottawa  
 1981/82 - Dr. G. M. Lindberg, CANADARM Project Manager, NRC, Ottawa  
 1980/81 - Dr. John M. Bumste, University of Manitoba

The Dineen Memorial Lecture is sponsored jointly by the University of New Brunswick, Faculty of Engineering, the Associated Alumni of UNB and the UNBSJ Visiting Lecturers Fund.



*34th*

## DINEEN MEMORIAL LECTURE



*15 September 2014*

University of  
New Brunswick

Fredericton and Saint John Campuses