

# Patricia M Chafe, Ph.D.

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## Personal Profile:

Born: Antigonish, Nova Scotia  
Citizenship: Canadian  
Maiden Name: Patricia M. Benoit

## Professional Profile:

- Current: Founder and President: Jump Beyond Inc., Strategic Analysis Consulting, Ottawa, Ontario  
*Consulting work includes (but not limited to):*
- *Statistical and analytical support to the development and implementation of the Long-Term Athlete Development Model for sport in Canada.*
  - *Facilitation of several strategic planning workshops for amateur sport, including comprehensive review of high performance support system for figure skating in Canada at provincial and national level.*
  - *Development and Implementation of a group decision making tool for sport administration ranking exercises for multisport organization.*
  - *Primary provider of statistical and performance analysis for the Canadian National Figure Skating team; performance analyst for the 2006 & 2010 Canadian Olympic Figure Skating teams and World Figure Skating Championships 2003 to present.*
  - *Development and Delivery of numerous continuing education seminars for coaches, officials, athletes and parents;*
  - *Development and implementation of on-line, subscription-based statistical and performance analysis tools for developmental athletes and coaches in figure skating*
  - *Performance and Statistical figure skating analysis for various television networks:*
    - **CBC**, 2008 World Figure Skating Championships; 2007 Skate Canada International
    - **CTV**, 2012 Skate Canada International; 2007 Canadian Figure Skating Championships; 2005 & 2006 Skate Canada International
    - **NBC Sports**, 2010 & 2006 Olympic Winter Games; 2009 World Figure Skating Championships; 2008 US National Figure Skating Championships
  - *Validation analysis of statistical processes used in risk analysis tool for municipal Fire Services*
- 2002-2005: Director of Planning and Analysis: Skate Canada, Ottawa, Ontario
- 2000-2002: Operations Research Analyst, Department of National Defence, Ottawa, Canada
- 1997 – Present: Assistant Professor/ Sessional Lecturer of Mathematics and Statistics at various universities:
- Carleton University (2006-2009), University of Ottawa (2003), University of New Brunswick-Saint John (1999-2000), St. Francis Xavier University (1997-1999)*
- Courses included: Introductory Calculus, Intermediate Calculus, Differential Equations, Linear Algebra, Abstract Algebra, Introductory Statistics, Engineering Statistics

## *Education and Skills*

### **Education**

- 1999: Doctor of Philosophy, Dalhousie University, Halifax, Nova Scotia
- 1992: Bachelor of Education, Dalhousie University, Halifax, Nova Scotia
- 1991: Masters of Mathematics, University of Waterloo, Waterloo, Ontario
- 1989: Bachelor of Science (Hon), Dalhousie University, Halifax, Nova Scotia

### **Continuing Education Courses:**

- Effective Technical Writing, 2002 (Public Service Commission of Canada)
- System Dynamics Simulation Modeling - Vensim, 2001 (Department of National Defence)
- Simulation and Modeling Analysis, 2001 (Avrill Law and Associates)
- Basic Electronic Warfare, 2001 (Department of National Defence)
- Standard Maritime Warfare, 2001 (Department of National Defence - Maritime Warfare School)
- Microsoft Access Data-Base Management, 2000 (Intermediate and Advanced),
- Teaching in University Program, 1999 (Dalhousie University)

### **Computing Skills:**

Languages: Pascal, FORTRAN, ProLog, Basic, MAPLE, Mathematica, MatLab, HTML, LaTeX  
Operating Systems: UNIX (SunOS, Solaris), DOS, MSWindows, Windows, MacIntosh  
Software: Microsoft Office Suite, WordPerfect Office Suite, Adobe Acrobat, Adobe Photoshop, Corel Gaphics packages, Maple, MathCad, Mathematica, Minitab, SPSS, Vensim, @RISK, etc.

### **General Skills**

- Exceptional Motivational, Mentoring and Teaching skills
- Extensive Quantitative and Problem Solving Tools
- Well established Curriculum Development and Assessment skills
- Strong oral and written communication (including a functional knowledge of French)
- Excellent Interpersonal and Team building abilities
- Proven Management, Leadership and Organizational skills
- Open-minded, Forward-moving and Analytical thinker
- Experienced and effective group facilitator

***Additional information is available at: <http://www.jumpbeyond.ca>***

***References available on request***