



Dr. Erik Scheme

New Brunswick Health Research Foundation / Fondation de la recherche en santé du Nouveau-Brunswick

**NEW INVESTIGATORS
YOUNG MINDS.
2016
NEW FINDS.**

HEALTH RESEARCHER-OF-THE-MONTH

Dr. ERIK SCHEME, B.Sc. E., M.Sc. E., Ph. D.

Dr. Erik Scheme is an Assistant Professor in the Department of Electrical and Computer Engineering, Faculty of Engineering (2016-07), and an Adjunct Professor and Stipend Instructor for the Dr. J. Herbert Smith Centre for Technology Management and Entrepreneurship (2013) at the University of New Brunswick. He obtained his Ph.D. in Electrical (Biomedical) Engineering in 2013 from the same university. To date, he has mentored and acted as co-advisor to 14 Summer/Co-op students, 4 Master students, 8 Ph.D. and 2 Postdoctoral Fellows, and supervised 7 Scientific and Technical Research staff. Dr. Scheme has attracted over \$1.765 M in combined salary awards, establishment, equipment and operating grants. He is also the primary and/or co-author of 31 oral/poster presentations, 22 publications in peer-reviewed journals, 2 book chapters, and invited as a keynote speaker 8 times.

PROFESSIONAL AFFILIATIONS:

- 2016/07 - Assistant Professor, Dept. of Electrical and Computer Engineering (ECE), Faculty of Engineering, UNB
- 2007 - Regional Invention, Dr. J. Herbert Smith Centre for Technology Management and Entrepreneurship, UNB
- 2014 - 2016 - Research Associate, Institute of Biomedical Engineering (IBME), UNB
- 2012/7 - 2014/6 - Adjunct Professor, Dept. of ECE, Faculty of Engineering, UNB
- 2011/5 - 2011/8 - Research Engineer, IBM, UNB
- 2011/9 - 2011/10 - Regional Invention, College of Extended Learning, UNB
- 2006/1 - 2011/4 - Project Engineer, IBM, UNB
- 2005/1 - 2006/1 - DSP Engineer, Saphronics Inc., Fredericton, NB
- 2007 - 2007 - Teaching Assistant, Dept. of ECE, Electrical and Computer, UNB
- 2007 - 2007 - Research Assistant, IBM, UNB
- 2001/6 - 2002/9 - Hardware Design Engineer, Avanti Systems, Halifax, NS

EDUCATION & TRAINING:

- 2009/9 - 2012/5 - Ph.D., Dept. of Electrical (Biomedical) Engineering, UNB
- 2007/1 - 2009/10 - Master's degree Engineering, Dept. of Electrical (Biomedical) Engineering, UNB
- 1997/9 - 2002/12 - Bachelor of Science Engineering, Dept. of Electrical Engineering, UNB

AREAS OF RESEARCH:

- Control Systems
- Orthoses and Prostheses
- Rehabilitation Care and Services

AWARDS, PRIZES AND RECOGNITIONS:

- 2016/07 - NBHRF Young Minds Researcher of the Month
- 2007/1 - 2012/12 - DRHRF Plaque, 40th Anniversary Achievement Award
- 2014 - 2016 - NBHRF Innovation Research Chair in Medical Device Technologies
- 2012/10 - Governor General's Gold Medal, UNB
- 2009/1 - Invention One Graduate Student Merit Award, UNB, \$1,000

TRAINING & MENTORING:

- 12 Summer / Co-op students
- 4 M.Sc. students
- 8 Ph.D. candidates
- 2 Postdoctoral Fellows
- 7 Invention and Invention staff
- 4 Highly Qualified Personnel in Research Training

SALARY AWARDS & GRANTS:

Year	Category	Source	Amount (\$)
2014 - 2016	Chair	NBHRF	\$ 1,000,000
2014 - 2016	Salary Awards	ANBRC, NBHRF, UNB	\$ 500,750
2014 - 2016	Establishment	NBHRF	\$ 120,000
2014 - 2016	Operating	ANBRC, NBHRF, UNB	\$ 884,750

PROFESSIONAL, ACADEMIC, SCIENTIFIC & HEALTH RESEARCH ACTIVITIES:

- Primary and/or co-author of 31 oral / poster presentations at national and international conferences (2007-2016)
- Primary and/or co-author of 22 publications in peer-reviewed journals (2007-2016)
- 2 book chapters (2006, 2012)
- 8 times keynote speakers (2011-2014)

BECAUSE HEALTH RESEARCH MEANS BETTER HEALTH CARE

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