



NEW INVESTIGATORS YOUNG MINDS. 2016 NEW FINDS.



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
- 2013 - Stipend Instructor, Dr. J. Herbert Smith Centre for Technology Management & Entrepreneurship, UNB
- 2014 - 2016 Research Associate, Institute of Biomedical Engineering (IBME), UNB
- 2013/7 - 2016/6 Adjunct Professor, Dept of ECE, Faculty of Engineering, UNB
- 2013/5 - 2014/8 Research Engineer, IBME, UNB
- 2013/5-2013/9 Stipend Instructor, College of Extended Learning, UNB
- 2006/3 - 2 013/4 Project Engineer, IBME, UNB
- 2005/1 - 2006/1 DSP Engineer, Diaphonics Inc, Fredericton, NB
- 2003 - 2005 Teaching Assistant, Dept of ECE, Electrical and Computer, UNB
- 2003 - 2005 Research Assistant, IBME, UNB
- 2001/6 - 2002/9 Hardware Design Engineer, Amirix Systems, Halifax, NS

EDUCATION & TRAINING:

- 2008/9 - 2013/5 Ph.D., Dept. of Electrical (Biomedical) Engineering, UNB
- 2003/1 - 2005/10 Masters Science Engineering, Dept. of Electrical (Biomedical) Engineering, UNB
- 1997/9 - 2002/12 Bachelor of Science Engineering, Dept. of Electrical Engineering, UNB

AREAS OF RESEARCH:

- Control System;
- Orthoses and Prostheses;
- Rehabilitation Care and Services.

AWARDS, PRIZES AND RECOGNITIONS:

- 2016/07 NBHRF Young Health Researcher of the Month
- 2015/1 - 2015/12 BioNB Finalist, NB Bioscience Achievement Award
- 2014 - 2018 NBIF Innovation Research Chair in Medical Devices Technologies
- 2013/10 Governor General's Gold Medal, UNB
- 2010/1 Part-Time 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
- 3 Scientific and Technical Staff
- 4 Highly Qualified Personal in Research Training



SALARY AWARDS & GRANTS:

\$1.765 M

- | | | |
|-----------------------------|----------------------|--------------|
| • 2014 - 2018 Chair | - NBIF | \$ 1,000,000 |
| • 2014 - 2018 Salary Awards | - NSERC, NBHRF, NBIF | \$ 160,792 |
| • 2014 - 2016 Establishment | - NBHRF | \$ 120,000 |
| • 2014 - 2018 Operating | - NSERC, NBHRF, NBIF | \$ 484,372 |

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 (2011-2016).

BECAUSE HEALTH RESEARCH MEANS BETTER HEALTH CARE

