



## Board of Directors

**Douglas Barber, BOD Chair**

**Douglas Barber**, Co-Founder and Former CEO, *Gennum Corporation*; Distinguished Professor in Residence, *McMaster University*  
**Andrea Benoit**, Account Manager, *NSERC* (ex-officio/non-voting)  
**Jennifer Briand**, Network Manager, *McMaster University* (ex-officio/non-voting)  
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**Rafael Kleiman**, Network Scientific Director, *McMaster University* (ex-officio/voting)  
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**Peter Tang**, Vice President, Innovation and Technology, *ATS Automation*  
**Marcia Vernon**, Director of INO-Ontario, *Institut National d'Optique*  
**Don Wilford**, Consultant

## Scientific Advisory Committee

**Rafael Kleiman, SAC Chair**

**Jennifer Briand**, Network Manager  
**Michel Côté**, 02-Project Leader  
**Ian Hill**, 04-Project Leader  
**Karin Hinzer**, 11-Project Leader  
**Rafael Kleiman**, 08-Project Leader  
**Ray LaPierre**, 09-Project Leader  
**Mario Leclerc**, 03-Project Leader  
**David Pulfrey**, Professor of Electrical Engineering, *UBC*

## Technology Transfer Committee

**Jennifer Briand**, Network Manager, *McMaster University* (ex-officio/non-voting)  
**Wayne Chang**, President, *Pivotry Consulting Group Inc.*  
**Rafael Kleiman**, Network Scientific Director, *McMaster University* (ex-officio/non-voting)  
**Yves Poissant** - PV Technology Specialist and Project Manager, *Natural Resources Canada's CanmetENERGY*  
**Tim Pope**, Technical Manager - Ontario, *INO*

## Network Management

**Rafael Kleiman, Network Scientific Director**  
**Jennifer Briand, Network Manager**

## Collaborative Research

- Themes
- Inorganic
  - Organic
  - Hybrid
  - Nano-structured
  - Public Policy

## HQP Development

- Undergraduate/Graduate research opportunities
- Hands-on training courses
- Support to represent Network at conferences
- Student exchanges, internships and lab visits

## Conference/Workshops

- Annual Network Meeting
- Annual Scientific Conference
- Joint workshops with Industry
- Web-based learning and outreach
- Community outreach and education

## Project Leaders

**Carlos Silva**, 01- Optimization of Nanoscale Interfaces in Organic Active Layers  
**Michel Côté**, 02- Improving Organic Solar Cell Efficiency Using Low Band Gap Polymers and Tandem Devices  
**Mario Leclerc**, 03- Highly-Efficient Low-Cost Polymeric Solar Cells  
**Ian Hill**, 04- Metal Oxide/Organic Hybrid Solar Cells  
**Harry Ruda**, 05- Copper Indium Gallium Selenide (CIGS) Nanowires for Photovoltaic Applications  
**Garry Tarr**, 06- Polymer/Nanostructured Silicon Heterojunction Solar Cells  
**Curtis Berlinguette**, 07- Novel High Efficiency Materials for Dye Sensitized Solar Cells (DSSCs)  
**Rafael Kleiman**, 08- Third Generation Spectral Engineering for Increased Solar Cell Efficiencies  
**Ray LaPierre**, 09- Nanowire Photovoltaics  
**Nazir Kherani**, 10- Advanced Thin Silicon High Efficiency Device Integrations  
**Karin Hinzer**, 11- Novel III-V and I-III-VI Based Multi-Junction Solar Cells  
**Andreas Athienitis**, 12- Cell Design for Window and Skylight Applications  
**James Meadwcroft**, 13- PV and the Transition to a Carbon-Neutral Energy System in Canada  
**Benoît Marsan**, 14 - Novel Homojunction Thin-Film Photovoltaic Devices Based on Nanostructured Cu(In,Al)S<sub>2</sub> Materials Synthesized Using an Innovative Colloidal Method

## Network Partners

**ATS Automation Tooling Systems** –Cambridge, ON  
**INO** – Institut National d'Optique – Hamilton, ON  
**IREQ** – Institut de Recherche d'Hydro-Québec – Montréal, QC  
**Natural Resources Canada – CanmetENERGY** – Varennes, QC  
**Newport Corporation** – Irvine, CA  
**Prised Solar** – Toronto, ON  
**Uniel Architectural Corporation** – Longueuil, QC