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Where Next Happens

# SMART COMPUTING R&D CHALLENGE

January 20, 2016

Ontario Centres of Excellence is a member of



# OUTLINE



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**Where Next Happens**

- Partners & Funding Contributions
- Eligibility
- Application Process
- Program Timelines
- Program Contact Information

# PARTNERS AND FUNDING CONTRIBUTIONS



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- **Program supports collaborative research and development projects by Ontario industry companies and academic research partners**
- **\$7.5 million partnership with SOSCIP, NSERC and OCE to support ~ 15 qualified projects over two rounds of funding**
  - > Up to \$500K / project (cash and in-kind contributions from OCE, NSERC and industry partner)
- **Provides industry with a maximum 2:3 total leverage on their contribution (cash and in-kind)**
  - > Ex. If industry partner contributes \$100K cash and \$100K in-kind for a project:
    - **OCE** will provide up to \$100K in matching funds (overhead is eligible up to 20%)
    - **NSERC** will match the industry cash and in-kind contributions up to \$200K (not including overhead)

# PROJECT ELIGIBILITY



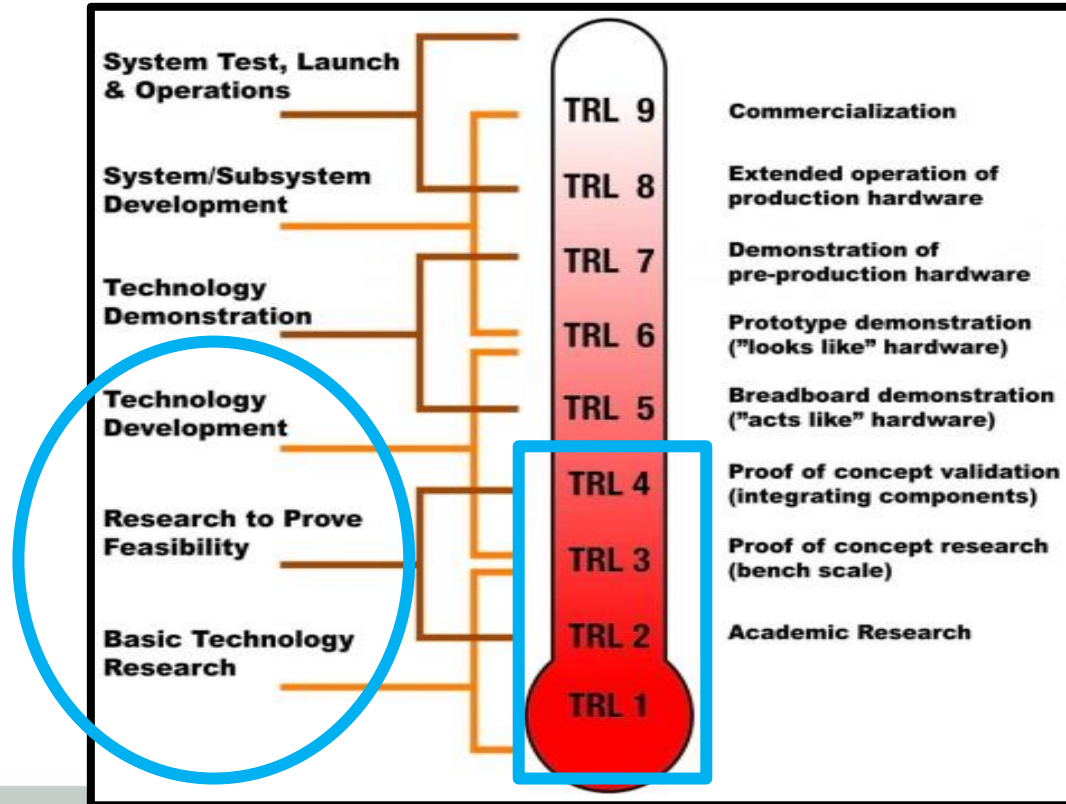
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- R&D projects must leverage the unique research strengths of SOSCIP Consortium members and the advanced computing infrastructure (e.g., Blue Gene/Q, Cloud, Agile, etc.)
- Priority will be given to R&D projects that address one or more of the following areas – **advanced manufacturing, cybersecurity, digital media, mining** – with a demonstrated immediate benefit to the industry leading to novel, processes, products or services
- **OCE, NSERC and matching industry funds will flow to the academic partner(s)**, who must be affiliated with one of the members of the SOSCIP Consortium
- Projects must meet NSERC CRD / ARD eligibility guidelines

# PROJECT ELIGIBILITY



## Technology Readiness Level



# ACADEMIC PARTNER ELIGIBILITY



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## Academic partner eligibility (Applicant):

- Researchers must be affiliated with one of the members of the SOSCIP Consortium:
  - > Carleton University, McMaster University, OCAD University, Queen's University, the University of Ontario Institute for Technology, the University of Ottawa, Ryerson University, Seneca College, the University of Guelph, the University of Toronto, the University of Waterloo, the University of Windsor, Western University, Wilfrid Laurier University and York University
- Applicants from a university / college must have a faculty appointment with their academic institution



## Industry partner eligibility (Project Partner):

- All projects must include at least one industry partner that provides the cash and in-kind matching requirements
- Must be a for-profit, Ontario-based company (R&D presence and/or manufacturing facility in Ontario) the operations in Ontario must be expected to commercialize the R&D results of the project
- Large companies and small-to-medium-sized enterprises (SMEs)

# APPLICATION PROCESS: OVERVIEW



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## Two-Stage Application Process:

1. Submit **Expression of Interest (EOI)** to OCE through AccessOCE's online portal
2. Successful EOI Applicants will be invited to submit a **Full Application** to NSERC CRD/ARD program



# APPLICATION PROCESS & STEPS: STAGE 1: EXPRESSION OF INTEREST



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## Stage 1: Expression of Interest (EOI)

- Eligible applicants must submit EOI using **AccessOCE** (online application portal) initiated through a OCE BD/Application Support
- A complete submission includes the EOI questions (downloaded from our website) along with a complete online application

Contact either an OCE BD or Application Support to ensure you have a **user name / password** and **have initiated an application a minimum of 1 week** before deadline

# APPLICATION PROCESS & STEPS: STAGE 1: EXPRESSION OF INTEREST



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## Overview of Review Process:

- EOIs undergo an **OCE internal review for completeness**
- EOIs are reviewed by an external review panel comprised of the **SOSCIP Scientific Advisory Committee (SOSCIP SAC)**
- Top ranked EOIs will be invited to submit Full Applications through **NSERC's Collaborative Research and Development (CRD)** or **NSERC Applied Research & Development (ARD)** programs

# APPLICATION PROCESS & STEPS: STAGE 1: EXPRESSION OF INTEREST



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## EOI Decision-making Process:

Preference will be given to EOIs that:

- Demonstrate close industry-academic collaboration, provide economic benefit to Ontario and have a high potential to be commercialized and/or implemented
- Demonstrate an innovative approach to solving an important challenge
- Engage a medium-sized enterprise as an industry partner (15-1000 FTE)
- Engage or include training opportunities for post-doctoral fellows and graduate students
- Anticipate tangible deliverables (i.e., new technologies, processes, skills transfer, job creation, and other benefits to society)

# APPLICATION PROCESS & STEPS: STAGE 2: NSERC APPLICATION



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## Stage 2: NSERC Full Application

- OCE invites successful EOIs to submit a Full NSERC CRD/ARD Application
- A draft Application is sent to NSERC, including budget information and letter(s) of support, in order to provide feedback to the applicant
- Final applications are submitted to NSERC and reviewed by **NSERC's external review process**
- Upon NSERC approval, OCE standard agreement is signed and IP terms are defined by project participants, following SOSCIP IP terms

**Applicants  
have the  
opportunity to  
work with an  
OCE Business  
Development  
Manager  
through the  
EOI and Full  
Application  
process**

# APPLICATION TIMELINES



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DATE	APPLICATION STEPS
November 2015	<b>Open Round 2 Call for EOIs</b>
Tuesday, February 23, 2016	<b>EOI deadline submission to OCE</b> *create username / password and initiate an AccessOCE online application <u>at least 1 week</u> before deadline
Wednesday, March 30, 2016	Notification to applicants on results of EOI
Monday, May 9, 2016	<b>Draft of NSERC CRD/ARD Application is due for invited candidates</b>
Monday, June 6, 2016	<b>Final NSERC CRD/ARD Application is due for submission</b>
After October 2016	<b>Approved project starts</b> *OCE's standard agreement including Schedule D IP Term Sheet must be executed within 60 days of NSERC award notification

# PROGRAM CONTACT INFORMATION



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## For general inquiries:

### **Application Support**

(416) 861 1092 x2400

Application-Support@oce-ontario.org

### **Pamela Kanellis, PhD**

Program Manager

(416) 861 1092 x1087

Pamela.Kanellis@oce-ontario.org

## For OCE BD assistance :

### **Lenny Freilich, MSc, MBA**

Industry Engagement

High Performance Computing Program

(416) 861 1092 x1007

Lenny.Freilich@oce-ontario.org

### **Saira Meese-Tamuri, MSc**

Business Development Manager

(416) 861-1092 x1052

Saira.Meese-Tamuri@oce-ontario.org



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# THANK YOU

## Questions?

TORONTO | MISSISSAUGA | OTTAWA | WATERLOO | WINDSOR | LONDON | HAMILTON | MARKHAM | OSHAWA

[www.oce-ontario.org](http://www.oce-ontario.org) | [info@oce-ontario.org](mailto:info@oce-ontario.org) | Toll Free: 1.866.759.6014

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