**11th ANNUAL IEEE INTERNATIONAL
SYSTEMS CONFERENCE**

**INCOSE Track
Call for Papers and Presentations[1]**

April 24-27, 2017
Marriott Chateau Champlain Hotel
Montreal, Quebec, Canada
http://ieeesyscon.org

BACKGROUND

The International Council on Systems Engineering (INCOSE) champions the art, science, discipline, and practice of systems engineering. It provides its individual and corporate members with a wealth of knowledge opportunities.

The IEEE Systems Council facilitates interactions among communities of interest on system-level problems and applications. System-level thinking is essential in the world today, not only for technical systems, but also for society at large. The Council addresses the discipline of systems engineering, including theory, technology, methodology, and applications of complex systems, system-of-systems, and integrated systems of national and global significance.

PAPER AND PRESENTATION SUBMISSIONS

The conference caters to both practitioners and academics, providing a forum to exchange ideas and experiences on technology, methodology, applications, study cases, and practical experiences.

For this purpose, the format of the submissions is divided in two categories, with different submission requirements:

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[1] Adapted from: http://2017.ieeesyscon.org/sites/2017.ieeesyscon.org/files/documents/pdf/syscon-2017-cfp_v4-web.pdf

- "Case studies and practical experiences in the Industry": short papers or extended abstract and presentation material presenting practical ideas, real cases, and practical achievements.
- Research and application papers: long manuscripts addressing novel ideas, theoretical issues, technology, methodology, and applications.

For Practitioners
We invite authors who are in the industry to submit a descriptive abstract of at least 500 words in length total, divided into the following sections:

1. Abstract- a summary stating what is new in the paper, i.e., what the contribution of the paper is. This section should be around 200 words in length.
2. Motivation- the background of the work. References to the literature should be added in order to clarify the importance of the problem and the reasons for doing the work. This section should be around 200 words.
3. Results- sample results that substantiate the suggested approach. Figures, including preliminary (existing) results and/or proposed architectures should be added. Avoid stating only expected results. A brief discussion of the figures is required.

For Academia
We invite authors in academia to submit an extended abstract which should be at least 4 pages in length (500 words minimum), or, alternatively, the full paper. A clear statement of contribution is required. The abstract/paper should also include an introduction, background and theory, a discussion of the validation and results, and a literature survey.

Submission
Authors will be limited to selecting one topic area from this list:
- Systems Engineering
- Systems Engineering Standards
- Engineering Systems-of-Systems
- Systems Architecture
- Complex Systems
- Cyber Security
- Cloud Computing
- Modeling & Simulation
- Model-Based Systems Engineering
- Systems Engineering Education & Theory
- Systems Integration & Verification
- Decision-making for Complex Systems
- Autonomous Systems
- Robotic Systems

- Sensors Integration & Application
- Large-Scale Systems Integration

Application areas to include, but are not limited to:
- Space and Communication Systems
- Medical Systems
- Defense Systems
- Gaming and Entertainment Systems
- Transportation Systems
- Environmental Systems
- Energy Management and Sustainability, including Renewable Energy

IMPORTANT DATES
Initial Manuscript or Abstract Deadline: December 23, 2016
Acceptance Notification: February 1, 2017
Final Paper or Abstract Deadline: March 13, 2017
Final Presentation Deadline: March 13, 2017

Send your submission to:
- Claude Y Laporte ([claude.laporte@etsmtl.ca)](mailto:claude.laporte@etsmtl.ca)
- Steven Dam (steven.dam@specinnovations.com)