

# CDSR'17

## 4<sup>TH</sup> INTERNATIONAL CONFERENCE ON CONTROL DYNAMIC SYSTEMS AND ROBOTICS



Paper Submission: JUNE 9, 2017 | Author Notification: JUNE 16, 2017 | Final Version: JULY 14, 2017 | Early-Bird Registration: JULY 14, 2017



### CONFERENCE CHAIR

**Dr. Mojtaba Ahmadi**  
Carleton University,  
Canada



### CONFERENCE CO-CHAIR

**Dr. Goldie Nejat**  
University of Toronto,  
Canada

The 4<sup>th</sup> International Conference of Control, Dynamic Systems, and Robotics (CDSR'17) aims to become the leading annual conference in fields related to traditional and modern control and dynamic systems.

The goal of CDSR'17 is to gather scholars from all over the world to present advances in the fields of dynamic systems and control and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields. Interested authors, researchers, and industrial experts are invited to register for the conference that best resonates with their technical background. At the same time, attendees are permitted, and even encouraged, to attend talks from co-located conferences.

Submissions in the form of extended abstracts, short papers, and full manuscripts are welcome. All submitted papers will be peer reviewed. All accepted and presented papers will be published in the conference proceedings, under an ISBN reference in a USB drive. The online version of the proceedings will also be published under an ISSN reference and each paper in the proceedings will be assigned unique DOIs by CrossRef. Furthermore, selected papers will be published in journal special issues.

We would also like to invite proposals for symposiums and workshops under the umbrella of the conference. Proposals should include the names and credentials of the organizers, topics, and plans for publicizing the event. Proposals or inquiries should be sent to [info@cdsr.net](mailto:info@cdsr.net).

## SCIENTIFIC COMMITTEE MEMBERS

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## CDSR' 17 KEYNOTES



### DR. TIM BARFOOT

University of Toronto, Canada

#### Topic:

*Can a Robot Navigate Using Vision Alone Forever?*



### DR. FARROKH JANABI-SHARIFI

Ryerson University, Canada

#### Topic:

*Robotic Interventions: Achievements, Challenges, and Future Prospects*



### DR. JOHN MCPHEE

University of Waterloo, Canada

#### Topic:

*Model-based Dynamics and Control: From Cars to Biomechanics*



### DR. HUGH LIU

University of Toronto, Canada

#### Topic:

*Formation Control of Autonomous Vehicles*

## CDSR' 17 SYMPOSIUMS

The Organizing Committee has selected the following fields for specialized and focused symposiums under the umbrella of CDSR'17:

- **Intelligent Manufacturing and Automation**
- **UAV Systems**
- **Control theory: Linear, Nonlinear, Learning, and Adaptive**
- **Mechatronics and Robotics**
- **Healthcare, Medical, and Assistive Robotics**
- **Sensing, Instrumentation, and Measurement**
- **3D printing technologies**
- **Human-machine and Human-robot Interaction**

If you are interested for your article to be part of the above-mentioned symposiums, please inform us when submitting your article. Symposium articles will go through a regular peer-review process. Accepted symposium articles will be published along with the rest of the accepted manuscripts in the main proceedings. A minimum of 7 articles need to be accepted for each Symposium to go ahead as planned. Should this requirement not be reached, accepted papers will be moved to the main track of the conference in related sessions.

If you would like to propose a symposium other than the ones mentioned above, please submit your proposal to [info@cdsr.net](mailto:info@cdsr.net). The proposal will be evaluated by the Organizing and Scientific Committees. Upon approval, the Organizing Committee will disseminate the news through the conference website and call for papers. To obtain a high attendance, we kindly ask that the prospective chairs also publicize the event and personally contact researchers who they think will be interested to contribute. The minimum number of registered presenters for the event to take place is 7. Should attendance reach this minimum requirement, registration fees for the Chair will be waived.

If you have any questions, please do not hesitate to contact us at [info@cdsr.net](mailto:info@cdsr.net).