

CableCon 2017

Third International Conference on Cable-Driven Parallel Robots

2-4 August 2017, Quebec City, Canada



Objective

The first two conferences of this series, held respectively in 2012 and 2014 in Germany, successfully provided a discussion forum for researchers from around the world working on cable robots. The third conference aims to present new results, to favour the exchange of ideas, and to establish contacts amongst all the international teams.

Organization

Université Laval, Quebec City, Canada

Location

Quebec City is the historical centre of French Canada with a unique European character in North America, recognized as part of the world heritage by UNESCO in 1985. The city is also a thriving business and technological centre where many high-tech industries are flourishing. The conference will be held at Université Laval, an institution that has its roots in the 17th century. Today, with a population of more than 40 000 students, Laval University is rating among the top 6 universities in Canada for research funding.

Quebec City can easily be reached via its modern and convenient international airport (YQB) as well as by rail.

The dates of the conference have been selected such that it takes place just before the **ASME IDETC** (held in Cleveland) for the convenience of international participants.

Scientific Committee

S. Agrawal, Columbia University
M. Arsenault, Laurentian University
T. Bruckmann, Univ. of Duisburg-Essen
S. Caro, IRCCyN
M. Gouttefarde, LIRMM
J.-P. Merlet, INRIA
L. Notash, Queen's University
A. Pott, Fraunhofer IPA
D. Schramm, University of Duisburg-Essen
A. Verl, University of Stuttgart

Conference Topics

Theory and application of cable-driven parallel robots including

- Classification
- Kinematics, Workspace and Singularity Analysis
- Statics and Dynamics
- Cable Modelling
- Control and Calibration
- Design Methodology
- Hardware Development
- Experimental Evaluation
- Prototypes, Application Reports and New Application Concepts

Patronage

International Federation for the Promotion of Mechanism and Machine Science (IFTOMM).

General Chair

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Electronic Submissions

Full papers of 12 pages to be submitted in pdf and LaTeX/MS Word format via the conference website.

Important Dates

Paper submission: **1 March 2017 (new!)**
Notification of acceptance: **12 April 2017 (new!)**
Final paper: **3 May 2017 (new!)**

Instructions for Authors

Guidelines will be available on the webpage:
www.robot.gmc.ulaval.ca/cablecon2017/

Presentation and Proceedings

The conference language is English.
Proceedings will be published by Springer.

Please visit:

www.robot.gmc.ulaval.ca/cablecon2017

