

# CableCon 2019

## Call for Papers

Fourth International Conference on  
Cable-Driven Parallel Robots



CableCon 2019 @ 15<sup>th</sup> IFToMM World Congress, June 30 - July 4, 2019, Krakow, Poland

### Objective

The first three conferences of this series successfully established a forum for research on cable robots worldwide. In total, close to 150 scientists from four continents gathered in Stuttgart, Duisburg and Quebec City to present the state of the art and latest research results. The next conference aims at presenting new results, continuing the forum for the exchange of ideas, and establishing contacts amongst all international teams.

The next CableCon is integrated as a session track into the IFToMM World Congress, making latest research in cable-driven parallel robots visible and open to all disciplines in mechanism and machine science.

### Organized by

University of Duisburg-Essen  
University of Stuttgart

### Location

Krakow, Poland

### General Chairs

Tobias Bruckmann, University of Duisburg-Essen (tobias.bruckmann@uni-due.de)

Andreas Pott, University of Stuttgart (andreas.pott@isw.uni-stuttgart.de)

### Scientific Committee

S. Agrawal, Columbia University  
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L. Notash, Queen's University  
D. Schramm, University of Duisburg-Essen  
A. Verl, University of Stuttgart

### Important Dates

Paper submission: 15 November 2018  
Note on Acceptance: 15 January 2019  
Final paper: 15 February 2019

### Conference Topics

Theory and applications of cable-driven parallel robots including:

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

### Instructions for Authors

Only Electronic Submissions. Full papers of 12 pages to be submitted in pdf and LaTeX formats. Submission (opens soon) and author guidelines on World Congress webpage (**choose "CableCon" during submission in COFFEE system**): <http://iftomm2019.com/paper-submission/>

### Presentation and Proceedings

The conference language is English.  
Proceedings are published by Springer.