



<http://eventos.uc3m.es/go/siomms2022>

The University Carlos III de Madrid is pleased to invite university teams to participate in the 5th Students International Olympiad on Mechanism and Machine Science (SIOMMS) that will be held on 30 november to 1 December 2022. This fifth international Olympiad follows a time of great change in education because of the pandemic. It will follow the previous ones in Izhevsk State Technical University (ISTU), Izhevsk, Russia in 2011, Shanghai Jiao Tong University (SJTU), Shanghai, China in 2013, Universidad Carlos III de Madrid, Madrid, Spain in 2016 and Pontificia Universidad Católica, Lima, Peru in 2018.

PROBLEM TOPICS

- Structural analysis and synthesis of mechanisms
- Kinematics of flat mechanisms
- Force analysis of mechanisms
- Kinematic analysis of cam mechanisms
- Gearings (kinematics, geometry, efficiency)
- Adjustment of dynamic characteristics, mechanical governors
- Balancing of rotating masses

LANGUAGE

The working language of the Olympiad is English.

TEAMS

Teams consisting of 3 bachelor and master students and 1 or more tutors are invited to take part in the Olympiad. Each university may send only one team. The choice of students for each university team may be conducted based on its own local selection competition.

LOCAL ORGANIZING COMMITTEE

Carlos III de Madrid University

C. Castejón (chair)
E. Corral, R. Gismeros,
M.J. Gómez, J. Meneses,
H. Rubio, M. Zamorano,
A. Vadillo

CONTACT PERSON

SIOMMS2022 Secretary's Office
Av. De la Universidad, 30,
Carlos III University,
Leganes, 28911, Madrid, Spain
siomms2022@uc3m.es

IMPORTANT DATES

Submission of electronic application
form: 1st October 2022
Registration fee payment:
15 November 2022

SCIENTIFIC COMMITTEE

C. Castejón,	Spain
M. Ceccarelli,	Italy
B. Corves,	Germany
P. Flores,	Portugal
J.C. García-Prada,	Spain
A. Gimenez,	Spain
W. Guo,	China
A. Kecskemethy,	Germany
H. Kimura,	Japan
E. Krylov,	Russia
J. Mayo	Spain
J. I. Pedrero,	Spain
V. Petuya,	Spain
J. Rodriguez,	Perú

REGISTRATION FEES

The registration fee is 150 € for each participant (students), which covers the

participation in the Olympiad, meals, and social program. The accommodation must be covered by the participants extra. The payment will be detailed by website.

APPLICATION

The application will be via website.

TRANSPORTATION

Madrid is located right in the centre of Spain and has excellent public transport within the city. Madrid has an airport in the north well communicated by underground, buses, and train. Leganes is located in the south of Madrid and is well communicated by train and underground.

HOST CITY

Madrid, the capital of Spain, is a cosmopolitan city that combines the most modern infrastructures and the status as an economic, financial, administrative, and service centre, with a large cultural and artistic heritage, a legacy of centuries of exciting history. Main landmarks in Madrid include, the Royal Palace of Madrid, the Sabatini Gardens and the Almudena's Cathedral, the Teatro Real (Royal theatre) and other tourist places like Puerta del Sol and Mayor Square. More information can be found at:

<http://www.turismomadrid.es/en/>