

## Control of Power and Energy Systems

### Invitation

Ashish Cherukuri, Sergio Grammatico and Mircea Lazar have the pleasure to invite you to participate to the DISC Summer School "Control of Power and Energy Systems", which will place from September 12-15, 2023, in NH Conference Centre Leeuwenhorst, Noordwijkerhout, The Netherlands.

### Control of Power and Energy Systems

Control is ubiquitous in modern power and energy systems across virtually all time scales and system sizes, from high efficiency multi-level power electronics to power generation and storage in smart power grids, as well as to coordination mechanisms in day-ahead and intra-day energy markets. The 2023 DISC Summer School aims at presenting the most relevant control and optimization methodologies in these application areas via tutorial lectures and research-oriented talks.

The main topics of this Summer School are:

- Control of Power Electronics and Power-Electronics-Dominated Systems
- Analysis and Control of Power Systems
- Optimization of Power Systems
- Coordination and Optimization of Energy Markets

The class will be a mix of lectures and tutorials with hands-on implementation of state-of-the-art algorithms. Participants will have ample opportunity to discuss their own research with the speakers and amongst each other.

### Lecturers

The main program will consist of several international and national speakers. Confirmed keynote lectures are:

- Prof. Kenneth Bruninx, Delft University of Technology, The Netherlands
- Prof. Yuri Dvorkin, Johns Hopkins University, USA
- Prof. Tobias Geyer, Stellenbosch University, South Africa (online)
- Prof. Enrique Mallada, Johns Hopkins University, USA
- Prof. Aleksandra Lekic, Delft University of Technology, The Netherlands
- Prof. Phuong Nguyen, Eindhoven University of Technology, The Netherlands
- Prof. Johannes Schiffer, Brandenburg University of Technology, Germany
- Prof. John Simpson-Porco, University of Toronto, Canada

### Registration

The registration fee includes:

- Overnight stay on Tuesday, Wednesday and Thursday.
- All meals (breakfast/lunch/dinner) are included, from lunch on Tuesday including the lunch on Friday.
- Two coffee/tea breaks each day (please note: all other drinks are for your own account)
- Admission to all sessions
- Summer School course materials
- Coffee, tea, and water during the meeting
- Internet access on the hotel premises

### Registrationfee

*DISC members*

€ 1.000,- (before July 28, 2023)

€ 1.150,- (after July 28, 2023)

*Non-DISC members*

€ 1.200,- (before July 28, 2023)

€ 1.400,- (after July 28, 2023)

### Accommodation

You will be staying in a double room which you will share with one of the other participants. You can let us know if you would like to share with someone in particular, otherwise we will assign the rooms.

The school is limited to 50 participants based on a first-come first-serve policy.

Above mentioned amounts are based upon shared rooms, a small number of single rooms is available at additional cost. EUR 1.200,- for DISC members and EUR 1.500,- for non-DISC members.

You can register at the following website: <http://disc-courseplatform.nl>. Non-DISC members can also send an email to: [secr@disc.tudelft.nl](mailto:secr@disc.tudelft.nl) (Please mention your full name and university affiliation including address). For further information, contact the DISC administrative office: Renate Kragtwijk ([r.c.m.kragtwijk@tudelft.nl](mailto:r.c.m.kragtwijk@tudelft.nl))

#### Program and set-up

The Summer School starts on Tuesday September 12th at 10.00h. The program ends on Friday September 15th around 17.00h.

#### Credits

PhD students can obtain 1 EC for the DISC Summer School. We expect active participation in the assignments and discussions.

#### Registration

Register for the Summer School on the [DISC course platform](#). The maximum number of participants is 50. The registrations will be handled in order of arrival. When the maximum number of participants is reached the registrations will be closed.

#### Payments

All payments must be made in EUR, incorporating all charges.

#### For transfer from a Dutch account:

IBAN: NL20ABNA0549249508

t.n.v: TU Delft

#### For all other accounts:

Gustav Mahlerlaan 10

NL-1082 PP Amsterdam

BIC: ABNANL2A

IBAN: NL20ABNA0549249508

Account holder: TU Delft

Unfortunately Credit Card payments cannot be accepted.

Please indicate **your name** and mention “**PH2502 DISC Summer School 2023**” on the transfer, otherwise your payment cannot be traced to your reservation.

Please send proof of payment by mail to [r.c.m.kragtwijk@tudelft.nl](mailto:r.c.m.kragtwijk@tudelft.nl). Your registration is valid when we have received payment and proof of payment before August 16, 2023.

Registrations received between August 17, 2023 and September 3, 2023, will be processed on September 4, 2023. The same rule applies (payment of proof needs to be sent before September 3, 2023. Your registration is confirmed once you have received a written mail by the DISC secretariat on September 4, 2023.

### Fee

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### Cancellation

Cancellation is possible until August 16, 2023. After that no refunds are possible. Cancellations must be emailed to [r.c.m.kragtwijk@tudelft.nl](mailto:r.c.m.kragtwijk@tudelft.nl).

### More information

For further information, contact the DISC administrative office: Renate Kragtwijk ([r.c.m.kragtwijk@tudelft.nl](mailto:r.c.m.kragtwijk@tudelft.nl))