

PROCESS CONTROL '21

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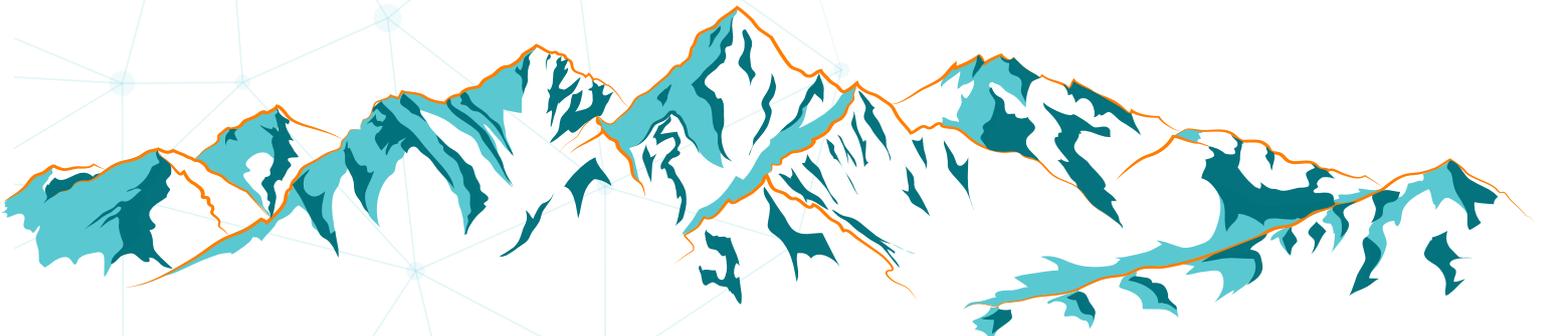
Partners



23rd International Conference on

Process Control '21

June 1-4, 2021



National Organizing Committee



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Conference Topics and Area Chairs



Linear and nonlinear control

M. Hovd, Norwegian University of Science and Technology, Norway
Linear and Non-linear Control System Design, Robust and Adaptive Control, Control Education

Optimization and computing in control

B. Houska, ShanghaiTech University, China
Modelling, Simulation, and Identification of Processes, Process Optimisation, Model Predictive Control

Machine learning and control

S. Lucia, TU Berlin/TU Dortmund, Germany
Machine Learning, Intelligent Control Systems, Algorithms and Computing

Sustainable industrial production and applications

T. Haniš, Czech Technical University in Prague, Czechia
Industrial Automation, Process Measurements and Devices, Applications and Case Studies

Plenary Speakers



C. de Prada (University of Valladolid, Spain)
Implementing Optimization in the Process Industry

A. Buti (Slovnaft, a.s., Slovakia)
Digitalization Drivers and Vision in the Refining and Petrochemicals Industry

bit.ly/3jKeUly



Institute of Information Engineering, Automation, and Mathematics
Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava
Radlinskeho 9, 812 37 Bratislava, Slovakia



bit.ly/2GJA0YW



Submission



Papers are uploaded through the online conference management system at

<https://cms.process-control.sk/>

The submitted contributions were subject to a peer-review process. One of the authors is supposed to take part in the conference. The working language is English.

The conference accepts two types of submissions -- full papers and abstract-only contributions. Accepted full papers will be submitted to IEEEExplore website (indexed in WoS and Scopus). Abstract-only submissions are ideal for presenting preliminary results or sharing ideas. Please note that abstract-only submissions will only appear in the book of abstracts (with ISBN), and will NOT be submitted to IEEEExplore.

Workshop



Machine Learning for Process Control and Optimization

Antonio del Rio Chanon,
Benoît Chachuat
(Imperial College London, UK)

Panagiotis Petsagkourakis
(University College London, UK)

Awards



Best paper award

The award is granted in association with Optimal Control Labs for the outstanding full paper contribution:

Anderle, M. – Čelikovský, S. – Vyhlídal, T.:
Lyapunov Based Adaptive Control for Varying Length Pendulum with Unknown Viscous Friction

Best paper by female researcher award

The award is granted in association with Slovaft – Member of MOL Group for the outstanding full paper contribution by the female researcher as the leading author:

Taik, S. – Kiss, B.: Clustering-based Optimal Dynamic Pricing for Residential Electricity Consumers

Best paper by young author award

The award is granted in association with Optimal Control Labs for the outstanding full paper contribution by young leading author under 35 years:

Karg, B. – Lucia, S.: Reinforced approximate robust nonlinear model predictive control

Best poster award

The award is granted in association with ATP Journal for the outstanding contribution presented in the poster session: to be announced at the conference

Scope of the Conference



The objective of the conference is to bring together theory experts and control systems practitioners, to evaluate the new avenues for techniques, design procedures and instruments in process control. The conference will feature plenary and keynote lectures, standard parallel sessions, poster session, dedicated workshop, and rich social program. Contributions are invited to range from theoretically rigorous research works to industrial applications.

COVID-19



Despite our hopes and efforts to hold Process Control 2021 as the traditional in-person event while spending time with our colleagues in fruitful discussions surrounded by astounding nature at Štrbské pleso in Slovakia, the pandemic situation still poses challenges for travelling and meeting for all researchers around the world. **For this reason, the organizing committee has decided to organize the conference as a virtual event.** We plan to have as many live elements in the conference programme as possible and we are already working to ensure the best possible experience for the participants. We are looking forward to seeing you live yet virtual.

The conference is also visible on social media. We would be happy if you would consider to follow us on Facebook page

<https://www.facebook.com/conference.process.control>

to keep in touch with the most recent information.

