

Invitation to Special Session on Optimal Control: Theory, Methods, and Applications

Dear Professor Amélia Caldeira,

It is with great pleasure that we invite you to participate in a special session on Optimal Control, part of the Controlo 2024 Conference. This session promises to be a unique opportunity to explore the latest advances in this crucial area of engineering and science.

Date: July 17 - 19, 2024

Location: Porto, Portugal

The special Optimal Control session will bring together leading experts in the field, offering a comprehensive insight into the latest research, practical applications, and future trends. From automation control systems to applications in robotics, renewable energy, and beyond, this session will provide valuable and inspiring insights for professionals and researchers interested in advancing dynamic system control.

Topics of interest include, but are not limited to:

- Application of optimal control to energy, medicine, robotics, economics, biology, etc
- Optimality conditions
- Sensitivity analysis
- Hamilton-Jacobi approach
- Stabilization methods for nonlinear systems
- Model Predictive Control
- Perturbed Systems
- Differential Games
- Numerical Approaches; Solvers

Please submit your paper by 26 April in this special session:

SS2. "Optimal Control: Theory, Methods and Applications

<https://easychair.org/my/conference?conf=controlo2024>

The accepted papers will be published in Springer Lecture Notes in Electrical Engineering which are abstracted and indexed in the major databases (DBLP, EI Compendex, INSPEC, Japanese Science and Technology Agency (JST), SCImago, SCOPUS, WTI Frankfurt eG, zbMATH).

We sincerely hope to have you join us for this special session.

Best regards,

Sofia Lopes, CFIS, SYSTEC-ARISE, Universidade do Minho

Nathalie Khalil, SYSTEC-ARISE, Universidade do Porto