

# CAO Awards

Best conference paper and Best student paper



18<sup>th</sup> IFAC Workshop on  
Control Applications of Optimization  
July 18-22, Gif-sur-Yvette, France



# Best student paper nominees

## **On the asymptotic behavior of the value function in large time optimal control problems**

Veljko Askovic , Emmanuel Trelat , Hasnaa Zidani

## **Resilience Optimization of Wide-Area Control in Smart Distribution Grids**

Youba Nait Belaid, Yi-Ping Fang, Zhiguo Zeng, Anthony Legendre, Patrick Coudray, Anne Barros

## **Generalized feedforward control using physics informed neural networks**

M. Bolderman D. Fan M. Lazar H. Butler

## **On the link between explicit MPC and the face lattice of the lifted feasible domain**

Stefan S. Mihai, Florin Stoican, Bogdan D. Ciubotaru



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## **Generalized feedforward control using physics informed neural networks**

M. Bolderman, D. Fan, M. Lazar, H. Butler

Eindhoven University of Technology



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# Best conference paper nominees

## **Considerations on Two-Phase Averaging of Time-Optimal Control Systems**

Lamberto Dell'Elce , Jean-Baptiste Caillau , Jean-Baptiste Pomet

## **Stability of solutions for controlled nonlinear systems under perturbation of state constraints**

Pierre-Cyril Aubin-Frankowski

## **Interval Invariance in the Evolutionary Game of Coordination**

Stephane Le Menec

## **Artificial pancreas under periodic MPC for trajectory tracking: handling circadian variability of insulin sensitivity**

Pablo Abuin, Antonio Ferramosca, Chiara Toffanin, Lalo Magni, Alejandro H. Gonzalez



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# Best conference paper (*ex aequo*)

**Considerations on**

**Two-Phase Averaging of Time-Optimal Control Systems**

Lamberto Dell'Elce, Jean-Baptiste Caillau, Jean-Baptiste Pomet  
INRIA

**Artificial pancreas under periodic MPC for trajectory tracking:  
handling circadian variability of insulin sensitivity**

Pablo Abuin, Antonio Ferramosca, Chiara Toffanin, Lalo Magni, Alejandro H. Gonzalez  
CONICET-UNL



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