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WeAT1 Regular Session, Herald+Tribune Add to My Program

Fractional PID Control 1

Chair: [Lanusse, Patrick](#)

Bordeaux INP - Univ. De Bordeaux

Co-Chair: [Cech, Martin](#)

Univ. of West Bohemia in Pilsen

12:10-12:30, Paper WeAT1.6

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Fractional - Order Modeling and Control for Two Parallel PWM Rectifiers

[Wang, Xiaohong](#)

South China Univ. of Tech

[Hoang, Thi Thu Giang](#)

South China Univ. of Tech

[Pan, Zhifeng](#)

South China Univ. of Tech

[Chen, Yangquan](#)

School of Engineering , Univ. of California

WeI3N Poster/Interactive Session, Lobby Add to My Program

PID Control Applications 2

Chair: [Sato, Takao](#)

Univ. of Hyogo

Co-Chair: [Mac Thi, Thoa](#)

Ugent

14:30-15:00, Paper WeI3N.1 Add to My Program

New Repetitive Current Controller for PWM Rectifier

[Wang, Xiaohong](#)

South China Univ. of Tech

[Pan, Zhifeng](#)

South China Univ. of Tech

[Hoang, Thi Thu Giang](#)

South China Univ. of Tech

[Tian, Lianfang](#)

South China Univ. of Tech

[Chen, Yangquan](#)

School of Engineering , Univ. of California

FrIIS Poster/Interactive Session, Lobby Add to My Program

PID Control Applications 4

Chair: [Campestrini, Luciola](#)

Univ. of Rio Grande Do Sul

Co-Chair: [Zhou, Jing](#)

Univ. of Agder

10:30-11:00, Paper FrI1S.5

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[PID2018 Benchmark Challenge: Learning Feedforward Control with a Conditional Integrator](#)

[Zhao, Yang](#)

Shandong Univ

[Dehghan, Sina](#)

UC Merced MESA Lab

[Ates, Abdullah](#)

Inonu Univ

[Yuan, Jie](#)

Southeast Univ

[Zhou, Fengyu](#)

Shandong Univ

[Li, Yan](#)

Shandong Univ

[Chen, YangQuan](#)

Univ. of California, Merced

FrI2S Poster/Interactive Session, Lobby

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[Fractional PID Control 3](#)

Co-Chair: [Copot, Dana](#)

Ghent Univ

12:00-12:30, Paper FrI2S.3

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[An Improved Frequency-Domain Method for the Fractional Order PID Controller Optimal Design](#)

[Zheng, Weijia](#)

Foshan Univ

[Luo, Ying](#)

South China Univ. of Tech. & Utah State Univ

[Chen, YangQuan](#)

Univ. of California, Merced

[Pi, YouGuo](#)

South China Univ. of Tech

[Yu, Wei](#)

Foshan Univ

FrCT1 Regular Session, The Globe Add to My Program

[Benchmark System 3](#)

Chair: [Yamamoto, Toru](#)

Hiroshima Univ

Co-Chair: [Ortega, M. G.](#)

Univ. De Sevilla

15:20-15:40, Paper FrCT1.2

Add to My Program

[PID2018 Benchmark Challenge: Multi-Objective Stochastic Optimization Algorithm](#)

[Ates, Abdullah](#)

Inonu Univ

[Dehghan, Sina](#)

UC Merced MESA Lab

[Yuan, Jie](#)

Southeast Univ

[Zhao, Yang](#)

Shandong Univ

[Yeroglu, Celaleddin](#)

Inonu Univ. Engineering Faculty

[Chen, YangQuan](#)

Univ. of California, Merced

15:40-16:00, Paper FrCT1.3

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[PID2018 Benchmark Challenge: Model Predictive Control with Conditional Integral Control Using a General Purpose Optimal Control Problem Solver -- RIOTS](#)

[Dehghan, Sina](#)

UC Merced MESA Lab

[Zhao, Tiebiao](#)

UC Merced

[Zhao, Yang](#)

Shandong Univ

[Yuan, Jie](#)

Southeast Univ

[Ates, Abdullah](#)

Inonu Univ

[Chen, YangQuan](#)

Univ. of California, Merce

16:00-16:20, Paper FrCT1.4

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[PID2018 Benchmark Challenge: Model-Based Feedforward Compensator with a Conditional Integrator](#)

[Yuan, Jie](#)

Southeast Univ

[Dehghan, Sina](#)

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[Ates, Abdullah](#)

Inonu Univ

[Zhao, Yang](#)

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[Fei, Shumin](#)

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[Chen, YangQuan](#)

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WeAT1 Regular Session, Herald+Tribune

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[Fractional PID Control 1](#)

Chair: [Lanusse, Patrick](#)

Bordeaux
INP - Univ.
De
Bordeaux

Co-Chair: [Cech, Martin](#)

Univ. of
West
Bohemia in
Pilsen

11:10-11:30, Paper WeAT1.3

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[Analysis of Actuator Rate Limit Effects on First-Order Plus Time-Delay Systems under Fractional-Order Proportional-Integral Control](#)

[Yuan, Jie](#)

Southeast Univ

[Chen, YangQuan](#)

Univ. of California, Merced

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Program

[Fei, Shumin](#)

Southeast Univ

FrPIL Plenary Workshop Session, The Globe

[YangQuan Chen, "Fractional Order PID Control: Better Than the Best Issue and What's Next"](#)

Chair: [Ionescu, Clara](#)

Ghent Univ