

2017 Australian and New Zealand Control Conference (ANZCC 2017)

**Gold Coast, Australia
17-20 December 2017**



**IEEE Catalog Number: CFP17N23-POD
ISBN: 978-1-5386-2179-0**

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IEEE Catalog Number:	CFP17N23-POD
ISBN (Print-On-Demand):	978-1-5386-2179-0
ISBN (Online):	978-1-5386-2178-3

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Content List of 2017 Australian and New Zealand Control Conference

Technical Program for Monday December 18, 2017

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Chair: Cranney, Jesse The Univ. of Newcastle
Co-Chair: Zhang, Yilian Shanghai Maritime Univ

10:00-10:15 MoAOr.1

Set-Membership Filtering Approach for Path Tracking of an Unmanned Surface Vessel System, pp. 1-5.

Zhang, Yilian Shanghai Maritime Univ
Yang, Fuwen Griffith Univ
Chen, Jianmin China Ship Development and Design Center
ZHU, JIN SHANGHAI MARITIME Univ
Wang, Jianhua Shanghai Maritime Univ

10:15-10:30 MoAOr.2

H_∞ Filtering for Networked Control Systems with Randomly Occurring Consecutive Packet Losses, pp. 6-10.

Zhang, Yilian Shanghai Maritime Univ
Yang, Fuwen Griffith Univ
Zhu, Yanfei Shanghai Normal Univ
Chen, Jianmin China Ship Development and Design Center
ZHU, JIN SHANGHAI MARITIME Univ

10:30-10:45 MoAOr.3

Finite-Time Boundedness of Uncertain Markovian Jump Systems: A Sliding Mode Approach, pp. 11-16.

Cao, Zhiru East China Univ. of Science and Tech
Niu, Yugang East China Univ. of Science & Tech
Zhao, Haijuan East China Univ. of Science and Tech
Song, Jun East China Univ. of Science and Tech

10:45-11:00 MoAOr.4

Modeling and Identification of Adaptive Optics Systems to Satisfy Distributed Kalman Filter Model Structural Constraints, pp. 17-22.

Cranney, Jesse The Univ. of Newcastle
De Dona, Jose The Univ. of Newcastle
Piatrou, Piotr Australian National Univ
Rigaut, Francois Australian National Univ
Korkiakoski, Visa Australian National Univ

MoBOr Room 7 Nonlinear Systems and Control (Regular Session)

Chair: Cranney, Jesse The Univ. of Newcastle
Co-Chair: Skobeleva, Anna Univ. of New South Wales

11:00-11:15 MoBOr.1

Discretization of Duffing Oscillator Dynamics by Taylor-Lie Formulation Based Method, pp. 23-28.

MEENA, GAGAN DEEP Res. Scholar

Janardhanan, S IIT Delhi

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Invariant Sets Via LPV-Embedding for Lure Nonlinear Systems with Unmatched Nonlinearities, pp. 29-34.

Hanafi, Ainain Nur Univ. Teknikal Malaysia Melaka

De Dona, Jose The Univ. of Newcastle
Seron, Maria M. The Univ. of Newcastle
Cranney, Jesse The Univ. of Newcastle

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Cooperative Extremum Seeking for a One-Dimensional Non-Linear Map Using a Two-Robot Formation, pp. 35-40.

Skobeleva, Anna Univ. of New South Wales
Ugrinovskii, Valery Univ. of New South Wales
Petersen, Ian R. Australian Defence Force Acad

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Dissipative Fuzzy Control of Nonlinear Networked Control Systems with Multiple Packet Dropout, pp. 41-46.

Lin, Qiongbao Fuzhou Univ
Chen, Shican Fuzhou Univ
Chai, Qingqin Fuzhou Univ
WANG, WU Fuzhou Univ
Cai, Fenghuang Fuzhou Univ

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Chair: Chen, Xi Wuhan Univ. of Science and Tech

Co-Chair: Mousavinejad, Eman Griffith Univ

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Kumar, Deepak Motilal Nehru National Inst. of Tech. Allahabad
Jazlan, Ahmad Univ. of Western Australia
Sreeram, Victor Univ. of Western Australia

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Kumar, Deepak Motilal Nehru National Inst. of Tech. Allahabad
Jazlan, Ahmad Univ. of Western Australia
Sreeram, Victor Univ. of Western Australia

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Mousavinejad, Eman Griffith Univ
Yang, Fuwen Griffith Univ
Han, Qing-Long Griffith Univ
Vlacic, Ljubo Griffith Univ

Sreeram, Victor
Mishra, Yateendra
Kumar, Deepak

Univ. of Western Australia
Queensland Univ. of Tech
Motilal Nehru National Inst. of
Tech. Allahabad

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Chen, Xi	Wuhan Univ. of Science and Tech
Zhu, Lijun	Univ. of Hong Kong
Chai, Li	Wuhan Univ. of Science and Tech
Yi, Jingwen	Wuhan Univ. of Science and Tech

MoDOr	Room 7
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Chair: Habibi, Hamed	Faculty of Science and Engineering, School of Civil and Mechanical Engineering, Curtin Univ. Perth, Australia
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Co-Chair: Qiu, Quanwei	Griffith Univ
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Habibi, Hamed	Faculty of Science and Engineering, School of Civil and Mechanic
Rahimi Nohooji, Hamed	Curtin Univ. Perth, Australia
howard, Ian	Faculty of Science and Engineering, School of Civil and Mechanic

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Hoang, Phuong Huu	GIST
Nguyen, Chuong Van	GIST
Trinh, Minh Hoang	Gwangju Inst. of Science and Tech
Lee, Byung-Hun	Gwangju Inst. of Science and Tech. (GIST)
Ahn, Hyo-Sung	Gwangju Inst. of Sci & Tech

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Qiu, Quanwei	Griffith Univ
Yang, Fuwen	Griffith Univ
Zhu, Yong	Griffith Univ
Qu, Li	East China Univ. of Science and Tech

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Lamsal, Dipesh	The Univ. of Western Australia
Conradie, Thomas	The Univ. of Western Australia

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Co-Chair: Duffy, Gerrad	INNOVATION[X]	
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Seron, Maria M.	The Univ. of Newcastle	
Braslavsky, Julio H.	Commonwealth Scientific and Industrial Res. Organisation	
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Mills, Peter	INNOVATION[X]	
Li, Qin	Griffith Univ	
Vlacic, Ljubo	Griffith Univ	
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Schulze, Darina	Inst. F. Automation Und Kommunikation E.v. Magdeburg	
Rauchhaupt, Lutz	Inst. F. Automation Und Kommunikation E.v. Magdeburg	
Jumar, Ulrich	Inst. F. Automation Und Kommunikation E.v. Magdeburg	
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Sun, Jinggao	East China Univ. of Science and Tech	
Yang, Jiaxiong	East China Univ. of Science and Tech	
Wang, Shuo	East China Univ. of Science and Tech	
Yan, Huaicheng	Ec	
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Co-Chair: Zhang, Yilian	Shanghai Maritime Univ	
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Aamo, Ole Morten	NTNU	

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Zhang, Huanshui	Shandong Univ	
xu, juanjuan	Shandong Univ	
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Fisher, Alex	RMIT Univ	
Wang, Liuping	RMIT Univ	
Palmer, Jennifer	Defence Science and Tech.	Group
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Chen, Gan	Nanzan Univ	
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Chair: Moradi Amani, Ali	RMIT Univ	
Co-Chair: Qiu, Quanwei	Griffith Univ	
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Moradi Amani, Ali	RMIT Univ	
Gaeini, Nozhat	School of Engineering,	RMIT Univ
Jalili, Mahdi	RMIT	
Yu, Xinghuo	RMIT Univ	
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Zhang, Hao	Tongji Univ	
Yan, Huaicheng	Ec	
Zhichen, Li	East China Univ. of Science and Tech	
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Nguyen, Chuong Van	GIST	
Hoang, Phuong Huu	GIST	
Trinh, Minh Hoang	Gwangju Inst. of Science and Tech	
Lee, Byung-Hun	Gwangju Inst. of Science and Tech.	(GIST)
Ahn, Hyo-Sung	Gwangju Inst. of Sci & Tech	

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Chair: Simic, Milan	RMIT Univ
Co-Chair: Diepolder, Johannes	Tech. Univ. of Munich
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Simic, Milan	Dr
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Diepolder, Johannes	Tech. Univ. of Munich
Piprek, Patrick	Tech. Univ. München - Inst. of Flight System Dyna
Botkin, Nikolai	Tech. Univ. of Munich
Turova, Varvara	Tech. Univ. of Munich
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Birs, Isabela Roxana	Tech. Univ. of Cluj-Napoca
Muresan, Cristina Ioana	Tech. Univ. of Cluj-Napoca
Folea, Silviu	Tech. Univ. of Cluj-Napoca
PRODAN, OVIDIU	Tech. Univ. of Cluj-Napoca
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Yang, Yanhua	Wuhan Univ. of Science and Tech
Chen, Yang	Wuhan Univ. of Science and Tech
tang, chaoquan	China Univ. of Mining and Tech
Chai, Li	Wuhan Univ. of Science and Tech

Technical Program for Wednesday December 20, 2017

WeAOr	Room 7
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Co-Chair: Singh, Satnesh	Indian Inst. of Tech. Delhi
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Wang, Ruigang	Univ. of New South Wales
Tan, Chee Keong	Department of Chemical Engineering, Faculty of Engineering, Univ
Bao, Jie	The Univ. of New South Wales
Hussain, Mohd Azlan	Univ. Malaya
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Singh, Satnesh	Indian Inst. of Tech. Delhi
Janardhanan, S	IIT Delhi
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Sharma, Nalin Kumar	Indian Inst. of Tech. Delhi
Janardhanan, S	IIT Delhi

WeBOr	Room 7
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Co-Chair: Ng, Yonhon	Australian National Univ
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Ng, Yonhon	Australian National Univ
Wei, Junming	Australian National Univ
YU, Changbin	Australian National Univ
Kim, Jonghyuk	The Australian National Univ
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Dong, Daoyi	UNSW
Wang, Yuanlong	Univ. of New South Wales at Canberra
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Efficient Identification of Unitary Quantum Processes, pp. 196-201.

Wang, Yuanlong	Univ. of New South Wales at Canberra
yin, qi	Univ. of Science and Tech. of China
Dong, Daoyi	UNSW
Qi, Bo	Acad. of Mathematics and Systems Science, Chinese Acad. of S
Petersen, Ian R.	Australian Defence Force Acad
hou, zhibo	Univ. of Science and Tech. of China
yonezawa, hidehiro	Univ. of New South Wales
xiang, guoyong	Univ. of Science and Tech. of China