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Program

Conference Registration

ICCAIS 2012 Opening Ceremony

Plenary Lecture I: Particle Methods for Optimal Estimation in Nonlinear Non-Gaussian State-Space Models

Prof. Arnaud Doucet , University of Oxford, UK

MA01: Tracking and Surveillance

False-Data Attacks in Stochastic Estimation Problems with Only Partial Prior Model Information

Adrian Bishop (NICTA, Canberra Research Laboratory & Australian National University (ANU), Australia)
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Control of a Mobile Sensor for Multi-target Tracking Using Multi-target / Object Multi-Bernoulli Filter

Hung G Hoang (University of Western Australia, Australia)
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Multiple Cell Tracking Using Ant Estimator

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A Multiple Detections Probabilistic Data Association Estimator

Mahendra Mallick (Propagation Research Associates, Inc., USA)
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An Effective Approach for Human Actions Recognition Based on Optical Flow and Edge Features

Viet Vo (HCMC University of Science, Vietnam); Ngoc Ly (University of Science, Vietnam)
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Detecting Abnormal Activities From Multi-Sensor Surveillance Systems

Marko Määttä (VTT Technical Research Centre of Finland, Finland); Janne Keränen (VTT Technical Research Centre of Finland, Finland); Tomi Rätty (VTT Technical Research Centre of Finland, Finland); Mikko Nieminen (VTT Technical Research Centre of Finland, Finland)
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Kitsuchart Pasupa (King Mongkut's Institute of Technology Ladkrabang, Thailand)
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Le Hoang Thai (University of Science, Ho Chi Minh city., Vietnam)
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Tri Tran, C. (Curtin University, Australia); Nguyen That (University of Technology Sydney, Australia); Quang Ha (University of Technology, Sydney, Australia)
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Dissipativity Criterion for Linear Systems with a Coupling Delay and Asymptotically Positive Realness Constraint

Quang Nguyen (University of Technology Sydney, Australia); Tri Tran, C. (Curtin University, Australia)
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A Transformed Descriptor Approach to Stabilizability of Constrained Parallel Splitting Systems

SeeChew Li (University of Nottingham Malaysia Campus, Vietnam); Tri Tran, C. (Curtin University, Australia)
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Ming Chen (Jiaxing University, P.R. China)
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Invited Talk I: Ground Target Tracking Using Small-scale Rotor UAV

Prof. Hyochoong Bang, KAIST, Korea Sth

MP01: Unmanned Vehicle Systems

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Igor Astrov (Tallinn University of Technology, Estonia); Andrus Pedai (Tallinn University of Technology, Estonia)
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Tuan Anh Nguyen (Korea Aerospace University & FPT University, Vietnam); Seulki Lee (Korea Aerospace University, Korea); Jong-Sou Park (Korea Aerospace University, Korea)
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Nhat Hieu Le (HCM University of Technology, Vietnam); Vinh Hao Nguyen (HCM University of Technology, Vietnam)
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Nguyen MinhDuc (Vietnam Maritime University, Vietnam)
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Reza Hoseinnezhad (RMIT University, Australia); Alireza Bab-Hadiashar (RMIT University, Australia)
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Thanh Bui (Ho Chi Minh City University of Technology, Vietnam); Ovidiu Ghita (Dublin City University, Ireland); Paul Whelan (Dublin City University, Ireland); Hoang Trang (University of Technology, HoChiMinh City, Vietnam)
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Tuan Viet Le (University of Science, Vietnam); Ngoc Ly (University of Science, Vietnam)
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An Enhanced Algorithm of Channel Estimation Based on Extended Kalman Filter for Mobile WiMAX

Lien Pham Hong (University of Technical Education Ho Chi Minh City, Vietnam); Quang Nguyen Duc (Ho Chi Minh City University of Technology, Vietnam); Hung Hoang (Ho Chi Minh University of Technology, Vietnam)
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Nguyen That (University of Technology Sydney, Australia); Quang Ha (University of Technology, Sydney, Australia)
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Linh Nguyen (University of Technology, Sydney, Australia)
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Tian-Bo Deng (Toho University, Japan)
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Takashi Kai (Tokyo University of Agriculture and Technology, Japan); Takaaki Uemoto (Tokyo University of Agriculture and Technology, Japan); Yukinori Nakamura (Tokyo University of Agriculture and Technology, Japan); Shinji Wakui (Tokyo University of Agriculture and Technology, Japan)
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Stephan Zschäck (Ilmenau University of Technology, Germany); Steffen Büchner (Ilmenau University of Technology, Germany); Trung Tran Nguyen (Ilmenau University of Technology, Germany); Arvid Amthor (Ilmenau University of Technology, Germany); Christoph Ament (University of Ilmenau, Germany)
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Quang Nguyen (University of Technology Sydney, Australia); Hieu Trung Nguyen (Southern Taiwan University, Taiwan); Gregory Hunter (University of Technology Sydney, Australia); Quang Ha (University of Technology, Sydney, Australia)
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Sayed Royel (University of Technology, Sydney, Australia); Zeinab Movassaghi (University of Technology, Sydney, Australia); Ngaiming Kwok (The University of New South Wales, Australia); Quang Ha (University of Technology, Sydney, Australia)
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Hasminda Hassan (Universiti Teknologi Mara, Malaysia); Zunairah Hj Murat (Universiti Teknologi MARA, Malaysia); Valerie Ross (Universiti Teknologi MARA, Malaysia); Norlida Buniyamin (Universiti Teknologi MARA & Universiti Teknologi MARA, Malaysia)
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Anthony de Souza-Daw (RMIT International University Vietnam, Vietnam); Philip M Lewis (Alfred Hospital & Department of Surgery, Monash University, Australia); Paul Junor (La Trobe University, Australia); Robert Stewart (CSIRO, Australia); Jerome Maller (Monash Alfred Psychiatry Research Centre, Vietnam); Richard Manasseh (Swinburne University of Technology, Australia)
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Manh Ngo Van (Hanoi University of Science and Technology, Vietnam); Viet Hoang Anh (Hanoi University of Science and Technology, Vietnam); Bang Ban Ha (Hanoi University of Science and Technology, Vietnam); Thang Huynh Quyet (Hanoi University of Science and Technology, Vietnam)
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An Advanced Pilot Arrangement Combined with Channel Estimation Based on Enhanced MMSE Algorithm for Mobile WiMAX

Lien Pham Hong (University of Technical Education Ho Chi Minh City, Vietnam); Quang Nguyen Duc (Ho Chi Minh City University of Technology, Vietnam); Hung Hoang (Ho Chi Minh University of Technology, Vietnam)
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Matthias Vodel (Chemnitz University of Technology, Germany); Wolfram Hardt (Chemnitz University of Technology, Germany)
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A Bernoulli Principle Based Flexible Handling Device for Automation of Food Manufacturing Processes

Rosidah Sam (Universiti Teknologi MARA, Malaysia); Norlida Buniyamin (Universiti Teknologi MARA & Universiti Teknologi MARA, Malaysia)
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Prof. Liuping Wang, RMIT University, Australia

Plenary Lecture III: Autonomous Navigation: Achievements in Complex Environment

Prof. Martin Adams, Universidad de Chile, Chile

TA01: Workshop on Key Issues of Green Energy and Technology

PEM Fuel Cells Hybrid Power Supply System with Battery Energy Balancer

Shieh Jenn-Jong (Ta Hwa University of Science and Technology, Taiwan); Chao Chung-Hsing (Ta Hwa University of Science and Technology, Taiwan)
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Shieh Jenn-Jong (Ta Hwa University of Science and Technology, Taiwan); Chao Yuan-Hsin (Ta Hwa University of Science and Technology, Taiwan)
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Sheng-Che Hsu (Ta Hwa University of Science and Technology, Taiwan); Sheng-Fu Liang (National Cheng Kung University, Taiwan)
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Hsien-Tang Lin (Tahwa Institute of Technology, Taiwan)
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Dang Khoa (University of Science, Vietnam); Ngoc Ly (University of Science, Vietnam)
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Robert Ross (La Trobe University, Australia); John Devlin (La Trobe University, Australia); Anthony de Souza-Daw (RMIT International University Vietnam, Vietnam)
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Ngoc Anh Mai (TU Dresden, Vietnam); Klaus Janschek (TU Dresden, Germany)
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Tran Thuan Hoang (University of Engineering and Technology & Vietnam National University, Hanoi, Vietnam)
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Genki Matsui (Nara Institute of Science and Technology, Japan); Yukinori Nakamura (Tokyo University of Agriculture and Technology, Japan); Takuji Tachibana (University of Fukui, Japan); Kenji Sugimoto (Nara Institute of Science and Technology, Japan); Shinji Wakui (Tokyo University of Agriculture and Technology, Japan)
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Quoc Viet Dang (University of Valenciennes, France); Laurent Vermeiren (University of Valenciennes & LAMIH UMR CNRS 8201, France); Antoine Dequidt (University of Valenciennes, France); Michel Dambrine (University of Valenciennes & Automatic Control and Human-Machine Systems, France)
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Distributed Model Predictive Control with Flexible Communication Networks

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Performance Analysis of State Estimation Problem Over Network Applying Event-based Sampling Scheme

Vinh Hao Nguyen (HCM University of Technology, Vietnam)
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Invited Talk II: On the Stability Properties of Multi-target Tracking Filters

Prof. Pierre Del Moral, INRIA Bordeaux-Sud Ouest, France

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Hung Pham (University of Engineering and Technology, VNU, Vietnam); Trung Dung Ngo (University of Brunei Darussalam, Brunei Darussalam)
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Manh Duong Phung (Vietnam National University, Vietnam)
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Chunyun Fu (RMIT University, Australia); Reza Hoseinnezhad (RMIT University, Australia); Reza Jazar (RMIT University, Australia); Alireza Bab-Hadiashar (RMIT University, Australia); Simon Watkins (RMIT University, Australia)
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Mohd Zamzuri Ab Rashid (FACULTY OF ELECTRIC & Universiti Teknikal Malaysia Melaka, Hang Tuah Jaya, Malaysia); Mohd Shahrieel Mohd Aras (Universiti Teknikal Malaysia Melaka, Malaysia); Hairol Nizam Mohd Shah (Universiti Teknikal Malaysia Melaka, Malaysia); Wee Teck Lim (Mr., Malaysia); Zulkifilie Bin Ibrahim (Universiti Teknikal Malaysia Melaka, Malaysia)
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Trung Dung Pham (Military Technical Academy, Vietnam)
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Sung-Hoon Choi (Pohang University of Science and Technology (POSTECH), Korea); Young-il Kang (POSTECH, Korea); Sangchul Won (Pohang University of Science and Technology (POSTECH), Korea)
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Babul Salam Kader Ibrahim (University Tun Hussein Onn Malaysia, Malaysia); Rafidah Ngadengon (UTHM, Malaysia)
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Ho Pham Huy Anh (HCM City University of Technology, Vietnam)
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Vu Lung (University of Information Technology, Vietnam); Vu Truong (Vietnamese Academy of Science and Technology, Vietnam)
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Hoang Thang (Chonnam National University, Korea); Viet Quang Vo (Chonnam National University, Korea); Thuc Nguyen (University of Science, HCM, Vietnam); Deokjai Choi (Chonnam National University, Korea)
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Bui Huu Phu (Hochiminh City University of Technology, Vietnam)
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Hoang Trang (University of Technology, HoChiMinh City, Vietnam)
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Cherl-O Bae (Mokpo National Maritime University, Korea); Duc-Phuc Vuong (Vietnam Maritime University, Vietnam); Young-San Park (Mokpo National Maritime University, Korea)
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Le Chi Kien (Ho Chi Minh City - University of Technical Education, Vietnam)
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Yun-Hui Liu (Southern Taiwan University of Science and Technology, Taiwan); Hong-Jen Lee (Southern Taiwan University of Science and Technology, Taiwan)
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Jean-Christophe Sibel (ETIS & ENSEA / University of Cergy-Pontoise / CNRS UMR8051, France); Sylvain Reynal (ENSEA/University of Cergy Pontoise, France)
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Phuoc Tran (University of Information Technology, Vietnam)
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Phuoc Tran (University of Information Technology, Vietnam)
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Rosmiwati Mohd-Mokhtar (Universiti Sains Malaysia & Engineering Campus, Malaysia); Yacine
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Workshop and Tutorial

Local University Visit and Discussion Panel