

★宇宙・航行エレクトロニクス研究会 (SANE)

専門委員長 福島荘之介 副委員長 森山敏文・灘井章嗣

幹事 小幡 康・毛塚 敦 幹事補佐 秋田 学・夏秋 嶺

◎本研究会は参加費が必要になりますので、下記を御参照下さい。

http://www.ieice.org/cs/jpn/kensen/special/e_gihou/e_gihou.html

日時 11月23日(木) 10:00~17:40

24日(金) 9:00~12:20

会場 Pusat Islam Tun Abang Salahuddin (PITAS), Universiti Malaysia Sarawak (94300 Kota Samarahan, Sarawak, Malaysia)

議題 ICSANE2017

23日午前 Opening and Keynotes, Room 1

1. [Keynote speech 1] TBD

2. [Keynote speech 2] Recent advances of radar polarimetry and its applications Jian Yang (Tsinghua Univ.)

23日午後 SAR/Polarimetry and interferometry, Room 1

3. [Invited Talk] Polarimetric Parameter for Detection of Double-Bounce Scattering Dominated Areas

○Junjun Yin (Univ. of Science and Tech. Beijing)・Jian Yang (Tsinghua Univ.)

4. Comparison of Ship Detection Accuracy Based on Image Contrast with Different Combinations HH-and VV-polarization TerraSAR-X SAR Images ○Eungyeong Ryu・Chan-Su Yang (KIOST)・Kazuo Ouchi (IHI)

5. A Theory of Multi-Aperture Along-Track InSAR for Velocity Vector Measurements of Moving Targets

○Kazuo Ouchi (IHI)・Takero Yoshida (Univ. of Tokyo)・Chan-Su Yang (KIOST)

6. A time-domain numerical simulation of along-track InSAR with multi-look processing

Takero Yoshida (Univ. of Tokyo)

Processing (Lider, Radar), Room 1

7. A Neural Network Augmented Parametric Estimation Method for Accurate Wind Vector Reconstruction Using Single Doppler LIDAR ○Taro Matsuo・Guanghao Sun・Tetsuo Kirimoto (UEC)

8. A Study of Passive Aircraft Surveillance by two Optical Fiber Connected Passive Radar

○Masato Watanabe・Junichi Honda・Takuya Otsuyama (ENRI)

9. Coherently Combining Sparse-Multiband Processing for High Range Resolution by Narrow Band Radars

○Manabu Akita・Kazuhiro Watanabe・Takayuki Inaba (UEC)

10. Smart Antenna System for Unknown Uncorrelated Source Groups in Multipath Environment

○Ahmad Aminu (Kano State Polytechnic)・Wan Azlan Wan Zainal Abidin・Kismet Anag Hong Ping (Univ. of Malaysia, Sarawak)・Ibrahim Abba (Kano State Polytechnic)

Remote sensing, Room 1

11. 干渉合成開口レーダにおける時間的に干渉度が高い不要波の除去 ○夏秋 嶺・廣瀬 明 (東大)

12. Application of High-resolution Thermal Satellite Images and In-situ Temperature Data for Understanding SST Variability in the Gyeonggi Bay of Korea

○Hanbit Lee (KIOST)・Ahmed Harun Al Rashid (KIOST/UST)・Chan-Su Yang (KIOST/UST/OST)

13. Multi-sensor monitoring of Sea Fog in the Western Coastal Region of Korean Peninsula Using Geostationary and Polar-orbiting Satellite ○Ahmed Harun Al Rashid (UST/KIOST)・Chan-Su Yang (KIOST/UST/OST)

14. Monitoring Land use Land covers Changes using Remote sensing data and GIS techniques: A case study of Nan, Thailand Pechrida Pechkong (Kasetsart Univ.)

24日午前 Invited Talk (IEEE GRSS Japan chapter), Room 1

1. [招待講演] Suppressing the topography and grain size effects in multispectral and hyperspectral data processing Yasushi Yamaguchi (Nagoya Univ.)

Poster session

2. [ポスター講演] The Design of GPS Interference Detection and Mitigation System Taehee Kim (ETRI)

3. [ポスター講演] Performance Simulation of GPS Spoofing Mitigation using Robust SCORE algorithm Inone Joo (ETRI)

GPS+others, Room 1 (10:10~11:50)

4. Analysis of DME Ranging Error due to Multipath using Flight Inspection Data

Meiyi Xia (French Civil Aviation Univ.)・○Atsushi Kezuka・Shinji Saitoh (ENRI)

5. Implementation of Signal Acquisition of a GNSS receiver using HDL Coder

○Syed Fairuz Syed Dardin • Muhammad Asyraf Abd Rahman • Anis Shahida Niza Mokhtar • Zuhairi Abd Rashid • Akram Abdul Azid (National Defence Univ. of Malaysia)

6. L-Band Signal Performance Comparison : Sarawak and Kano ○Ibrahim Abba • Wan Azlan Wan Zainal Abidin • T. Masri • Kismet Anag Hong Ping • Bong Pai Voon (Univ. of Malaysia, Sarawak) • A. Ahmad (Kano State Polytechnic)

7. Predicting Trajectories with Course Change Points for Calculating Proximity-based Air Traffic Control Difficulty Indices ○Sakae Nagaoka • Mark Brown (ENRI/MPAT)

8. An Inverse Scattering Method Using Time-Reversed Fields with edge-preserving regularization ○Toshifumi Moriyama • Toshiyuki Tanaka (Nagasaki Univ.) • Takashi Takenaka (South China Normal Univ.)

Others2, Room 2 (10 : 10~12 : 20)

9. Proximity operation of MINERVA-II rovers onboard Hayabusa2 asteroid explorer

○Tetsuo Yoshimitsu • Atsushi Tomiki • Takashi Kubota (JAXA)

10. Fundamental investigations on helicopter all-around obstacle detection using quasi-millimeter-wave radar system—Field experiments based on a low-transmitting power radar system and a multicopter—

○Shunichi Futatsumori • Kazuyuki Morioka • Akiko Kohmura • Norihiko Miyazaki • Naruto Yonemoto (ENRI)

11. A Study on Movement Prediction Model Based on Empirical Formula of Drifting Objects at the Ocean Using Satellite Images under Strong Tidal Condition to Support Response Activities

○Tae-Ho Kim (UST) • Chan-Su Yang (KIOST)

12. Beam Scanning of Conformal Array with Arbitrary Shaped Surface

○Hirokazu Kobayashi • Takeru Oka (Osaka Inst. of Tech.) • Shun-ichi Takaoka (Microwave Factory)

13. Corrugated Antipodal Vivaldi Antenna for Radar Application ○Saidu Adamu Abubakar • Thelaha Hj Masri • Wan Azlan Wan Zainal Abidin • Kismet Hong Ping (Univ. of Malaysia, Sarawak)

◆IEEE ; AES Society Japan Chapter 共催

☆SANE 研究会今後の予定 [] 内発表申込締切日

12月 休会

2018年1月25日(木), 26日(金) 長崎県美術館 [11月13日(月)] テーマ: 測位・航法, レーダ及び一般

【発表申込先】 下記研究会発表申込システムからお申込み下さい.

<http://www.ieice.org/jpn/ken/kenmoushikomi.html>

【問合先】

小幡 康 (三菱電機)

TEL [0467] 41-2522

E-mail : Obata.Yasushi@dr.MitsubishiElectric.co.jp

毛塚 敦 (電子航法研)

TEL [0422] 41-3191

E-mail : kezuka@enri.go.jp