

★宇宙・航行エレクトロニクス研究会 (SANE)

専門委員長 齋藤宏文 副委員長 福島荘之介

幹事 辻 政信・木寺正平 幹事補佐 牧 謙一郎・小幡 康

日時 10月22日(水) 8:40~17:40

23日(木) 9:00~17:20

24日(金) 8:40~12:00

会場 Ramada Plaza Melaka, Malacca, Malaysia (Jalan Bendahara, 75100 Melaka, MALAYSIA. <http://www.ieice.org/cs/sane/ICSANE2014/venue.html> TEL [050] 3362-7646 辻 政信)

議題 ICSANE 2014 (International Conference on Space, Aeronautical and Navigational Electronics)

22日午前

1. A Novel L5 Tracking Scheme for QZSS Satellite Using L1/L5 Synchronization Characteristics Inone Joo (ETRI)
2. Mission Analysis of RazakSAT-2 Satellite from the Earth Station Perspective
○Hamid Salim・ST Ooi・Maszlan Ismail (ANGKASA)
3. The Way Forward for Malaysian Space Industry-Recommendation Based on 7 Countries? Experience
○Ahmad Ammar Ahmad Termizi・Sholehah Ismail (ANGKASA)
4. G/T Measurement Technique using ANGKASA S-band Antenna System
○Terence Jerome Daim・Maszlan Ismail・Hamid Salim (ANGKASA)
5. BepiColombo/MMO 開発状況 ○前島弘則・早川 基・BepiColombo プロジェクトチーム (JAXA)
6. High speed down link experiment from small satellite Hodoyoshi 4
○Hirobumi Saito (JAXA)・Tomoya Fukami・Hiromi Watanabe (Univ. of Tokyo)・Takahide Mizuno・Atsushi Tomiki (JAXA)・Naohiko Iwakiri (NICT)
7. Preliminary Design of Small Satellite in ANGKASA for Demonstration Purpose
○Syahrim Azhan Ibrahim・Sharizal Fadlie Sabri・Mohd Khairul Hisham Ismail・Maszlan Ismail (ANGKASA)
8. Overview of small satellites in Japan and their future prospect—observation and communication—
Korehiro Maeda (Univ. of Tokyo)
9. Compact X band synthetic aperture radar compatible to 100 kg small satellite Hirobumi Saito (JAXA)
10. MANAGING BUILDING CONSTRUCTION AND EQUIPMENT INSTALLATION IN AITC MALAYSIA-A LESSON LEARNED Elena Woo Lai Leng (ANGKASA)

22日午後(13:40~)

11. Radio and space navigation technologies for air and ship for International freedom traffics on the Asia Pacific Sea
Nguyen Quy Son (VASA)
12. [チュートリアル講演] Outline and Future Research Vision of ENRI Naoki Fujii (ENRI)
13. [チュートリアル講演] Future Aeronautical Communication and Information Technologies
Shigeru Ozeki (ENRI)
14. [チュートリアル講演] GNSS Landing System in the Low Magnetic Latitude Region
Takayuki Yoshihara (ENRI)
15. [チュートリアル講演] Next Generation Aeronautical Surveillance Systems Tadashi Koga (ENRI)
16. [チュートリアル講演] Safety and Human Factors in Aviation Daisuke Karikawa (ENRI)

23日午前

1. An Aircraft Target Detection by Passive Bistatic Radar with Multi-frequency Coherent Integration of Broadcast Satellite Signals
○Tadashi Oshima・Toshihiro Ito・Nobuhiro Suzuki・Teruyuki Hara・Kazufumi Hirata・Toshio Wakayama・Atsushi Okamura・Kazunari Kihira・Takayuki Nakanishi・Yusuke Kitsukawa・Toru Takahashi (Mitsubishi Electric)
2. Track Extraction Method of Low Observable Target for Airborne HPRF Radar
○Yasushi Obata・Hiroshi Kameda (Mitsubishi Electric)
3. A Measure of Estimated Accuracy Using Singular Values for TOA Location System
○Yoshio Kosuge・Tadashi Koga・Hiromi Miyazaki (ENRI)・Manabu Akita・Takayuki Inaba (Univ. of Electro-Comm.)
4. Numerical and Experimental Evaluation of Localization Methods in a UWB MIMO Radar
○Shohei Seki・Idnin Pasya・Takehiko Kobayashi (Tokyo Denki Univ.)
5. UWB Through-wall Tracking ○Lee Loong Wei・Koo Voon Chet・Chan Yee Kit (MMU)
6. 3-dimensional imaging method exploiting full polarimetric data for UWB short range radar

○Ayumi Yamaryo · Shouhei Kidera · Tetsuo Kirimoto (Univ. of Electro-Comm.)

7. Accurate two-dimensional imaging of a human body in motion using multiple ultra-wideband Doppler radar systems in a multipath environment ○Hiroki Yamazaki · Takuya Sakamoto · Toru Sato (Kyoto Univ.)
8. Fundamental Experiments on Super Resolution Range/Angle Estimation by Millimeter Wave Radar using Stepped Multiple Frequency Complementary Phase Code Modulation
○Manabu Akita · Ryo Yamashita · Masato Watanabe · Takayuki Inaba (Univ. of Electro-Comm.)
9. Contactless Heart beat Measurement Using Webcam
○Liew Qing Yin · Koo Voon Chet · Lim Chot Hun (MMU) · Voon Wei Feng · Lau Ting En (Myreka Tech.)

23 日午後 (13 : 40~)

10. The Effect of NDVI and Band Characteristics on Building Line Detection Using High Resolution Satellite Imagery
○Junho Yeom · Minyoung Jung · Yongil Kim (Seoul National Univ.)
11. 3D information extraction with a modified least square matching technique for urban area
○Yeji Kim · Yongil Kim (Seoul National Univ.)
12. Asphalt Pavement Performance Model of Airport and Highway By PALSAR on board ALOS Satellite
○Suanpaga Weerakaset (KU, Thailand) · Yoshikazu Kamiya (JAXA)
13. Extraction of Urban Roads Based on Edge Information from High Resolution Satellite Imagery
○Minyoung Jung · Junho Yeom · Yongil Kim (Seoul National Univ.)
14. Characterization of agricultural land abandonment based on ALOS PALSAR and LANDSAT multitemporal measurement
○Farrah Melissa Muharam (Univ. Putra Malaysia) · Wataru Takeuchi · Soni Darmawan (Univ. of Tokyo) · Muhamad Hafiz Abd Razak (Federal Land Consolidation and Rehabilitation Authority)
15. [Poster Presentation] Target Detection in High Resolution Satellite Images Using PSO Algorithm and Band Properties ○Byeonghee KIM · Junho Yeom · Yongil Kim (Seoul National Univ.)
16. High resolution satellite image segmentation by graph-based clustering using Ripley's K-function
○Hyejin Kim (Seoul National Univ.) · Byungkil Lee (Kyonggi Univ.) · Yongil Kim (Seoul National Univ.)
17. Impact of topography and tidal height on ALOS PALSAR polarimetric measurements to estimate above ground biomass of mangrove forest in Indonesia
○Soni Darmawan · Wataru Takeuchi (Univ. of Tokyo) · Yenni Vetrina (LAPAN) · Ketut Wikantika (Inst. Teknologi Bandung) · Dewi Kania Sari (Inst. Teknologi Nasional)
18. Combination of Entropy and Coherence of HH/VV-Polarimetric SAR Data for Improvement of Target Detection in the Sea ○Kazuo Ouchi · Chan-Su Yang (KIOST)
19. Novel Feature Extraction Method of Full Polarimetric SAR imagery for Automatic Target Recognition
○Shouhei Ohno · Shouhei Kidera · Tetsuo Kirimoto (Univ. of Electro-Comm.)

24 日

1. SAR Image Modulation by Ocean Current Variations Induced by Internal Waves: Interpretation Using SPM Scattering Model Dan-Bee Hong (UST) · ○Chan-Su Yang · Kazuo Ouchi (KIOST)
2. Mapping Langkawi Island Sky Brightness 2013 ○Redzuan Tahar · Farahana Kamardin (ANGKASA)
3. Accurate Wind Velocity Estimation Method with Single Doppler LIDAR Model
○Takayuki Masuo · Shouhei Kidera · Tetsuo Kirimoto (Univ. of Electro-Comm.) · Hiroshi Sakamaki · Nobuhiro Suzuki (Mitsubishi Electric)
4. Analysis of the radar backscatter from the sea surface perturbed by varying surface current induced by bottom topography in shallow waters: Comparison of numerical simulation with SAR data
○Tae-Ho Kim · Dan-Bee Hong (UST) · Chan-Su Yang · Kazuo Ouchi (KIOST)
5. Reverberation Acoustic Chamber Simulation Characteristic Analysis
○Adhwa Amir Tan · Nurliza Salim · Syahrim Azhan · Noor Hidayah Tauhid Ahmad · Maszlan Ismail (ANGKASA)
6. An UAV SAR Footprint Generator using GPS-Aided INS
○Chot Hun LIM · Chee Siong LIM · Tien Sze LIM · Voon Chet KOO (MMU)
7. Flight Model Development of L-band Active Phased Array Antenna for ALOS-2
○Takehito Iguchi · Masakazu Taniguchi · Araki Ono · Takeshi Sakura · Kenichi Hariu (Mitsubishi Electric) · Yukihiro Kankaku · Shinichi Suzuki (JAXA)
8. Development and Functional Evaluation of Passive Surveillance Radar System
○Kakuichi Shiomi (ENRI) · Shuji Aoyama (IRT) · Akihiko Noda · Yuki Matsui (MSS)
9. The Design and Development of Synthetic Aperture Radar (SAR) Imaging Field Programmable Gate Array

(FPGA)-based Processor ○Lee Yung Chong・Koo Voon Chet・Chan Yee Kit (MMU, Malaysia)

☆SANE 研究会今後の予定 [] 内発表申込締切日

11月21日(金) 千葉大アカデミックリンクセンター [締切済] テーマ:リモートセンシング及び一般

12月2日(火) 日本科学未来館 [10月13日(月)]

1月22日(木), 23日(金) 長崎県美術館 [11月10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】

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