

★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 毛塚 敦・秋田 学 幹事補佐 夏秋 嶺・山梨正人・網嶋 武

◎本研究会は参加費が必要になります。

通ソの技報完全電子化研究会に関する御案内ページ

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

日時 11月7日(水) 15:00~17:00

8日(木) 8:30~17:30

9日(金) 8:30~11:50

会場 Zhongyuan International Hotel (中原国際酒店) (No. 88 Yandongguan Road Xuchang China. http://www.ieice.org/~sane_ac/ICSANE2018/travel.html)

議題 ICSANE2018

7日 Keynote Speech

1. [Keynote speech 1] H.T. Chuah (UTAR Univ.)

2. [Keynote speech 2] TBD

8日午前 Special Session in Honor Memory of late Wolfgang M. Boerner (8:30~10:10)

1. [Invited talk] Leung Tsang (Univ. of Michigan)

2. [Invited talk] M. Sato (Tohoku Univ.)

3. [Invited talk] Jian Yang (Tinghua Univ.)

4. [Invited talk] Y. Yamada (Niigata Univ.)

5. [Invited talk] Bill Emery (Univ. of Colorad)

Special Session in Honor Memory of late Wolfgang M. Boerner (10:30~12:30)

6. [Invited talk] Y. Yamaguchi

7. [Invited talk] Sato Hirocy

8. [Invited talk] Jocyln Chuss

9. [Invited talk] Yang Du (Zhejiang Univ.)

10. [Invited talk] X. Li, NOAA

11. [Invited talk] Sang-Eun Park (Sejong Univ.)

8日午後 Technical Session-1A Young Researcher and Student session: SAR/POLSAR, Signal Processing. (13:30~15:10)

12. Effects of Lunar Revolution on the Performance of the Moon-Based Synthetic Aperture Radar

○Zhen Xu・Kun-shan Chen (RADI)

13. L-band bistatic radar returns from bare soils: a simulation study for soil moisture retrieval using global sensitivity analysis method ○Jiangyuan Zeng・Kun-Shan Chen (RADI/CAS)

14. Imaging Performance of Millimeter Wave SAR for Portable Weapon Detection

○Koki Homma・Hiroyoshi Yamada・Ryoichi Sato・Yoshio Yamaguchi (Niigata Univ.)・Hiroki Mori (Toshiba)

15. Model-Based Target Classification Using Polarimetric Similarity with Coherency Matrix Elements

○Maito Umemura・Yoshio Yamaguchi・Hiroyoshi Yamada (Niigata Univ.)

16. A Novel Method Using Convolutional Neural Network for Polarimetric SAR ship detection

○Kan Jin・Jian Yang (Tsinghua Univ.)

Technical Session-1A Young Researcher and Student session: SAR/POLSAR, Signal Processing. (15:30~16:30)

17. The Study on The Use of Active Radar Calibrator for SAR Interferometry

○Dandan Yao・Chiung Shen Ku (Xuchang Univ.)・Hanyu Lu (Guizhou Univ.)・Genyuan Du・Yajing Yuan (Xuchang Univ.)・Panpan Yao (Tsinghua Uni.)・Tao Hu (Xuchang Univ.)

18. Localization of coherent targets with UWB MIMO radars employing extrapolation of array antenna elements, spatial smoothing, and MUSIC algorithm Yuki Hirota (TDU)

19. A time of arrival estimation method combining matched filter and IHT Compressed Sensing for target point identification ○Seiya Tamura・Tetsuo Kirimoto・Guanghao Sun (UEC)

◎Banquet (18:00~20:00)

Technical Session-2A Young Researcher and Student session: Remote Sensing, etc. (13:30~15:10)

20. Analysis of Sea Ice Concentration Distribution in Chukchi Sea for Navigational Safety Support

○Hokun Jeon・Ki-hoon Nam・Taeho Kim・Chan-su Yang (KIOST)

21. Sentinel-1 & GOCI/Landsat-8 based macroalgal bloom detection : A case study in the Yellow Sea
○Ahmed HarunAlRashid · ChanSu Yang (KIOST)
22. A Parametric Estimation Method for Detecting Aircraft Wake Turbulence Using a Single Doppler LIDAR
○Rin Nakamura · Guanghao Sun · Tetsuo Kirimoto (UEC)
23. Research, Design and Fabrication Microwave Modules of Receiver for Nanosatellite at S band
Bui Thi Ha (VNSC)
24. Spatial clustering analysis and visualization of children less than 5 years underweight disease worldwide
○Tao Hu · Genyuan Du · Dandan Yao · Yajing Yuan · Zhiwei Fan (XCU) · Hanyu LU (GZU)

Technical Session-2A Young Researcher and Student session : Remote Sensing, etc. (15 : 30~16 : 10)

25. Trainable PDEs based non-uniformity correction algorithm for infrared focal plane array
○Yajing Yuan · Hongxian Zhou (Xuchang Univ.) · Hongshi Sang (HUST) · Hanyu Lu (Guizhou Univ.) · Tao Hu · Dandan Yao (Xuchang Univ.)
26. Thinning Technique in Cylindrical Scanning Measurement for RCS Near-field to Far-field Transformation
○Shun-ichi Takaoka (NTUT) · Hirokazu Kobayashi (OIT) · Yang-Lang Chang · Chih-Yuan Chu (NTUT)

Poster Session (16 : 30~17 : 30)

27. Improved Point Source Spread Model for 3-Dimensional Radar Target
○Hirokazu Kobayashi (OIT) · Shun-ichi Takaoka · Chih-Yuan Chu · Yang-Lang Chang (NTUT)
28. [Poster Presentation] Stability Analysis of AMSR2 Brightness Temperature Data Dased on GCOM-W1 Satellite
○Hanyu Lu (Guizhou Univ.) · Dandan Yao (Xuchang Univ.) · Panpan Yao (Tsinghua Univ.) · Song Wu · Xiang Ji · LiangBo Ni (Guizhou Univ.)
29. [Poster Presentation] Climatological Averaging and Application of Optical Vegetation Index Based on MODIS
○Jing Liang · Hanyu Lu · Xiang Ji · Song Wu · Liangbo Ni (Guizhou Univ.) · Tianjian Lu (Central South Univ.)
30. Airport Detection Based on GF-3 SAR Images Using Faster-RCNN
○Ma Mengyuan · Yang Wei · Chen Jie (Beihang Univ.)

◎Banquet (18 : 00~20 : 00)

9日 Technical Session-1B SAR/POLSAR (8 : 30~10 : 10)

1. Impact of Acquisition Geometry on Imaging Performance of GNSS-Based Bistatic SAR
○Yu Liu (CAS/Xu Chang Univ.) · Kun-Shan Chen (Xu Chang Univ./CAS)
2. An analysis of SAR imaging of moving targets based on EMD and WVD
○Fangbo Pan (RADI/CAS/UCAS/CHN) · Kun-Shan Chen (RADI/CAS/CHN)
3. Analysis and Simulation on Geometric Properties of Backward and Forward Bistatic SAR
○Ting ting Li · Kun-shan Chen (Radi)
4. Feature Synthesis and Target Classification for High-Resolution SAR Images Yang-Lang Chang (NTUT) · Cheng-Yen Chiang (NCU) · ○Sina Hadipour (NTUT) · Wen-Yen Chang (NDHU)
5. Polarimetric SAR Change Detection with Principal Component Analysis
○Chenxia Huang · Junjun Yin (USTB) · Jian Yang (Tsinghua Univ.)

Technical Session-1B Imaging/Measurement Technology of Electromagnetic Waves (10 : 30~11 : 50)

6. Inverse scattering approach by using cost functional consisting the approximated stored energy with no information on incident field—Two dimensional case—
○Toshifumi Moriyama · Toshiyuki Tanaka · Takashi Takenaka (Nagasaki Univ.)
7. GTD ターゲットモデルによる RCS 近傍界遠方変換の評価
○小林弘一 (阪工大) · 高岡峻一 · 張 陽郎 · 鞠 志遠 (台北科技大)
8. Bistatic Microwave Scattering Signal Recovery From Random Measurements Using Compressed Sensing
○Yu Liu (CAS/Xu Chang Univ.) · Kun-Shan Chen (Xu Chang Univ./CAS)
9. The Comparison of Microwave Imaging Methods for the Target Behind Random Media
○Tie-Yan Yi · Kun-Shan Chen · Ming Jin · Yu Liu (RADI/CAS)

◎Technical (culture) tour (13 : 30~18 : 00)

Technical Session-2B Navigational and communication systemsn, etc. (8 : 30~10 : 10)

10. A Concept of Automatic Trajectory Modification for Mitigating Complex Air Traffic Situations with a High Difficulty Index Value ○Sakae Nagaoka · Hiroko Hirabayashi · Mark Brown (ENRI)
11. Throughput and Frame error rate Evaluation in different frequencies for Integrated-Aeronautical Mobile Communication Terminal ○Kazuyuki Morioka · Naoki Kanada · Shunichi Futatsumori · Akiko Kohmura · Naruto Yonemoto · Yasuto Sumiya (ENRI)
12. Initial Analysis of Impact of DME Ranging Error Caused by Propagation Issue on Integrity Assurance

○Atsushi Kezuka・Takayuki Yoshihara・Naoki Fujii (ENRI)

13. Evaluation of Aircraft Electromagnetic Field Propagation Characteristics at 4 GHz Wireless Avionics Intra-Communication Band—Measurement using Beechcraft B300 aircraft— Shunichi Futatsumori (ENRI)

14. A Simple and Effective Privacy Preserving Method for Crowdsourcing Database

○Shengli Tian・Yingyu Qiu・Yuan Ping (Xuchang Univ.)・Baocang Wang (Xidian Univ.)

Technical Session-2B Remote Sensing (10:30~11:50)

15. Investigation of the effect of bispectrum on scattering from non-Gaussian sea surface

○Dengfeng Xie (RADI/CAS/UCAS/CHN)・Kun-Shan Chen (RADI/CAS/CHN)

16. Classification of Hyperspectral Image using Convolutional Neural Network to Detect Coastal Water Features

○Tae-Ho Kim・Chan-Su Yang (KIOST)

17. Measurement of dependence of ocean surface backscattering on oceanwinds by using airborne SAR

○Akitsugu Nadai・Shoichiro Kojima・Jyunpei Uemoto (NICT)

18. An Information Entropy-Based Sensitivity Analysis of Radar Sensing of Rough Surface

○Yu Liu (CAS/Xu Chang Univ.)・Kun-Shan Chen (Xu Chang Univ./CAS)

◎Technical (culture) tour (13:30~18:00)

◆IEEE AES Society Japan Chapter 共催

☆SANE 研究会今後の予定 [] 内発表申込締切日

2019年1月24日(木), 25日(金) 長崎県美術館 [11月14日(水)] テーマ:測位・航法, レーダ及び一般

2月13日(水), 14日(木) JAXA 種子島宇宙センター [12月17日(月)] テーマ:衛星応用技術及び一般

【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.

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

【問合先】

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