

★衛星通信研究会 (SAT)

専門委員長 辻 宏之 副委員長 筋誠 久・山下史洋
幹事 柴山大樹・高橋 卓

◎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 10月11日(木) 13:00~17:50

12日(金) 9:00~16:25

会場 韓国航空宇宙研究院 (169-84, Gwahak-ro, Yuseong-Gu Daejeon, 34133, KOREA. https://www.kari.re.kr/eng/sub01_05.do)

議題 衛星通信技術及び一般

11日

SAT-1. [特別講演] 衛星を用いた新しいビジネスの展望 ○名古屋 翼・内山 浩(スカパー JSAT)

2. Signal processing technique for compensating mems gyroscope bias drift Hyun-Wook Jo (ADD)

SAT-3. Signal Space Theory and Applications to Communications—Communication is recovery of original vectors in the signal spaces— Osamu Ichiyoshi (Human Network for Better 21 Century)

4. Quality Evaluation of Video Streaming Services in Next-generation Satellite Networks with Maximal Ratio Combining Kyu-Hwan Lee (ADD)

SAT-5. [特別講演] Development of satellite communications infrastructure system for remote islands and disaster-relief ○Fumihito Yamashita・Hiroki Shibayama (NTT)

6. Design of TCR System considering Secure Operation of MILSATCOM Minkang Moon (ADD)

7. Performance analysis of random access scheme for satellite IoT service Pan-su Kim (ETRI)

8. [特別講演] Low-Delay Broadband Satellite Communications with High-Altitude Unmanned Aerial Vehicles Jihwan Choi (DGIST)

12日午前

1. BATS synchronization method for beam hopping satellite transmission system Jong-gyu Oh (ETRI)

SAT-2. UAV Deployment for UAV-enabled Opportunistic Relaying Based on Non-orthogonal Multiple Access ○Young-bin Kim・Kosuke Yamazaki (KDDI Research)

3. Performance Evaluations of MUSIC Algorithm for Direction of Arrival Estimation Joongbin Kim (ETRI)

SAT-4. Received signal analysis of SPace based AIS Experiment 2nd (SPAISE2) in the Sea around Japan (Part 4) ○Daichi Hirahara・Shuji Shimizu・Junichiro Ishizawa・Shinichi Sobue (JAXA)

SAT-5. [特別講演] Overview of 8K UHD TV Satellite Broadcasting

○Hisashi Sujikai・Yoichi Suzuki・Masaaki Kojima (NHK)

6. A Study of Doppler Drift Effect on Frequency Offset Compensation using 2-Phase Characteristic of Modulated Beacon from Satellite Chulhee Choi (ADD)

SAT-7. Performance Comparison of Digital Pre-Distortion Techniques over Satellite Channel

○Masaaki Kojima・Yuki Koizumi・Yoichi Suzuki・Hisashi Sujikai (NHK)

12日午後(12:55~)

8. Ka-band Down-Converter using on Radiation Hardened BiCMOS Frequency Synthesizer for Next generation Payload Dong-pil Jang・In-bok Yeom (ETRI)

9. Flat Beamforming Antenna Units Expandable to Sub-Arrays Heejun Park・Changhyeong Lee・Gwang-gyun Namgoong・Jinyoung Kwon・Sungtek Kahng・Huikyoo Lee (ADD)

SAT-10. Development of Optical Satellite Communication System

○Toshihiro Kubooka・Hiroo Kunimori・Yoshisada Koyama・Koichi Shiratama・Kenji Suzuki・Yasushi Munemasa・Hideki Takenaka・Kolev Dimitar・Carrasco Casado Alberto・Trinh Phuc・Morio Toyoshima (NICT)

11. Analysis of Orbital Interference Considering Characteristics of Elliptical Antenna Huikyoo Lee (ADD)

12. Solid State Power Amplifier using GaN MMIC for Ka-band Satellite Payload

Dong-hwan Shin・In-bok Yeom (ETRI)

13. A Novel Stratified Structure of S-Band and C-Band Filter Bank

Changhyeong Lee・Heejun Park・Gwang-gyun Namgoong・Jinyoung Kwon・Sungtek Kahng

SAT-14. Activity of R & D and In-Orbit Verification by ETS-9 on Communications Technology of Next Generation HTS

○Amane Miura • Takashi Takahashi • Eihisa Morikawa • Naoko Yoshimura • Toshihiro Kubooka • Hiroyuki Tsuji • Morio Toyoshima (NICT)

15. Simple design of splash plate feed antenna for suppressed cross polarization pattern
Byung-Chul Park (ADD)

◎technical tour

◆KOSST 連催

【問合先】 SAT 研究会幹事

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