

★衛星通信研究会 (SAT)

専門委員長 井家上哲史 副委員長 亀井 雅・加保貴奈

幹事 阿部順一・大倉拓也 幹事補佐 流田理一郎・小泉雄貴

日時 10月6日(木) 13:00~17:20

7日(金) 9:30~16:10

会場 リファレンス大博多ビル/オンライン開催

議題 衛星通信技術及び一般 (JC-SAT2022:韓国 KOSST 連催)

6日午後 (13:15~14:30)

1. [特別講演] IOWN Space Integrated Computing Network Fumihito Yamashita (NTT)
2. [Special Talk] Significance and expected effects of the development of GEO-KOMPSAT-2B Satellite
Jaedong Choi (KARI)
3. A Study on The Effect of Improving Traffic Accommodation Ratio by Adaptive Coding and Modulation for High Throughput Satellite in Time-Varying Communication Environments
○Takahiro Ebihara・Tetsushi Ikegami (Meiji Univ.)

(14:40~15:55)

4. The ASIC Implementation of Satellite Communications Modem base on the DVB-RCS2 Standard
In Ki Lee (ETRI)
5. Satellite Transmission Experiment for Improvement of Link Margin of APSK Modulation Signal toward UHDTV Satellite Broadcasting in 12-GHz Band
○Ryota Akiyama・Yuki Koizumi・Shinsuke Yokozawa・Masaaki Kojima・Masafumi Nagasaka・Masashi Kamei (NHK)・Susumu Nakazawa・Shuji Kimura・Motoki Matsubara・Hayato Nishida・Shoji Tanaka (B-SAT)
6. Ka-Band GaN Power Amplifier MMICs using Source Inductor and Second Harmonic Termination
○Inkwon Ju・Dongpil Chang・Byoung-Sun Lee (ETRI)

(16:05~17:20)

7. Recent increase in rain attenuation statistics of Ku-band satellite communications links and its relation to the climate change
○Shoya Funo・Yoshiaki Shibagaki・Yasuyuki Maekawa (Osaka Electro-Comm. Univ.)
8. Waveguide Duplexer Designed for an X-Band Satellite Communication Payload
○Junghyun Cho・Yejin Lee・Jiyeon Jang・Yejeun Seo・Jaewon Koh・Sungtek Kahng (Incheon National Univ.)
9. A study on the rain attenuation characteristics in the Ku-band satellite communications links between eastern and western areas of Japan
○Yasuyuki Maekawa (Osaka Electro-Comm. Univ.)・Koichi Harada・Junichi Abe・Fumihito Yamashita (NTT)

7日午前 (9:30~10:45)

1. A Review of Basic Electromagnetism Osamu Ichiyoshi (HNfB21C)
2. A Replacement of the X-Band Slot Array Antenna for Weight Reduction
Jiyeon Jang・Junghyun Cho・Yejin Lee・Yejeun Seo・Jaewon Koh・Sungtek Kahng (Incheon National Univ.)
3. Various Transformation Functions for the Stability Guarantee of Variable Digital Filters with Recursive Structures
Tian-Bo Deng (Toho Univ.)

(10:55~12:10)

4. Polarization-Tolerable Planar Lens as the Metamaterial Surface: Design and Analysis
○Yejin Lee・Yejeun Seo・Junghyun Cho・Yejin Lee・Jaewon Koh (Incheon National Univ.)・Joongki Park・Hosub Lee (LIGNEX1)・Sungtek Kahng (Incheon National Univ.)
5. BER performance evaluation of OFDM/PM system with Constant Modulus Algorithm based adaptive filtering
○Tuguldur Ulambayar・Masato Saito (Ryukyuu Univ.)
6. A Metamaterial-Excitation Parabolic Reflector Antenna
○Joongki Park (LIGNEX1)・Yejeun Seo・Junghyun Cho・Jiyeon Jang・Yejin Lee・Jaewon Koh (Incheon National Univ.)・Hosub Lee・Choongho Song (LIGNEX1)・Sungtek Kahng (Incheon National Univ.)

7日午後 (13:15~14:30)

7. [特別講演] R&D for Satellite Communications and Non-terrestrial Networks toward Beyond-5G in NICT
○Hiroyuki Tsuji・Amane Miura・Alberto Carrasco-Casado・Morio Toyoshima (NICT)
8. Study of Multi Wavelength Capable Optical Transceiver for Laser Communication Terminal
Choi Hyeok Gyu・Kim Seung Ho・Hwang Ki Min・Han Joo Hee (Agency for Defense Development)
9. Study on Satellite Broadcasting System with LDM Transmission
○Yuki Koizumi・Masashi Kamei (NHK)

(14 : 40~16 : 10)

10. Distributed Position-based Handover Algorithm for GEO satellite communications

○In-Sop Cho • Minsu Shin • Joon-Gyu Ryu (ETRI)

11. Development of extreme coverage communication system extended by non-terrestrial network—End-to-end route management based on QoS of user equipment—

○Munehiro Matsui • Hisayoshi Kano • Junichi Abe (NTT) • Yuki Hokazono • Atsushi Minokuchi • Yoshihisa Kishiyama (NTT DOCOMO) • Fumihito Yamashita (NTT)

12. Handover Issues in LEO Satellite Constellation Network ○Jong Soo Baik • Yonghwa Lee (Hanwha Systems)

【問合先】

SAT 研究会幹事

大倉拓也 (NICT) • 阿部順一 (NTT) • 小泉雄貴 (NHK) • 流田理一郎 (KDDI 総合研究所)

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