

★衛星通信研究会 (SAT)

専門委員長 鈴木利則 副委員長 辻 宏之・山下史洋

幹事 山崎浩輔・高橋 卓

◎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 10月26日(木) 9:00~18:25

27日(金) 9:00~16:15

会場 沖縄セルラー電話(那覇市松山1-2-1. ゆいレール; 県庁前駅より徒歩3分. https://www.au.com/okinawa_cellular/corporate/profile/access_map.html)

議題 衛星通信技術及び一般

26日午前 General Session 1

SAT-1. Outline of research and development for active electronically scanned array antenna that can be mounted on aircraft in the Ka band

○Takuya Okura・Takashi Takahashi・Tomoshige Kan・Hiroyuki Tsuji・Morio Toyoshima (NICT)

2. Switchable Circularly-Polarized Microstrip Antenna for Satellite Communication

Donghyo Lee・Sangil Ahn (Korea Aerospace Research Inst.)・Minjae Lee・Yoonsang Noh・Seongmin Pyo (Hanbat Univ.)

3. Design of Flat Beamforming Antennas using Metamaterials Changhyeong Lee・Dajung Han・Heejun Park・Muhammad Salman Khattak・Abdul Rehman Khan・Sungtek Kahng (Incheon National Univ.)

General Session 2

4. Development of Real-Time System for Koreasat-7 based on Core Software Platform In Jun Kim・Soojeon Lee・Cheol Oh Jeong・Byoung-Sun Lee (Electronics and Telecommunications Research Inst.)

SAT-5. A Signal Space Theory of Interferences Cancellation Systems

Osamu Ichiyoshi (Human Network for Better 21 Century)

SAT-6. Interference monitoring scheme using feature detection between satellite and cellular systems (28 GHz)

○Kanshiro Kashiki・Tomoki Sada (KDDI Research)・Akihide Nagamine・Fumio Watanabe (Tokyo Inst. of Tech.)

26日午後 General Session 3 (13:20~)

7. OBSM Approach in a Next Generation LEO Satellite

Bumsoo Yoo・Jongwook Choi・Jaeyeop Jung (Korea Aerospace Research Inst.)

8. Predicting the Performance of Onboard Processing Satellites According to the Change of the Space Radiation Environment Seunghwa Jung・Jihwan Choi (Daegu Gyeongbuk Inst. of Science and Tech.)

SAT-9. セルラー事業者としての衛星通信利用に対する期待 ○三浦俊二・安藤和秀・吉村清一 (NTT ドコモ)

SAT-10. CE-SAT-Iの運用状況報告 酒匂信匡 (キャノン電子)

Special Session 1

SAT-11. [特別講演] Real challenge for 5G mobile communication systems Fumio Watanabe (KDDI Research)

Special Session 2

12. Overview on the Communication Technologies for Satellites Byung-Seub Lee

General Session 4

SAT-13. 短波帯における自然雑音の年間計測とその昼夜変化及び月変化特性

○赤嶺賢彦・高熊 亨・中濱大晶・林 寛貴・中澤利之 (防衛省)

SAT-14. Yearly Variation of Rain Attenuation Characteristics of Ku-Band Satellite Communications links

○Yasuyuki Maekawa・Yu Nishimura・Yoshiaki Shibagaki (Osaka Electro-Commun. Univ.)

SAT-15. Recent Tendencies of Increase in Yearly Cumulative Time Percentages of Rain Attenuation in Ku-Band Satellite Communications Links ○Hidemi Miura・Yasuyuki Maekawa (Osaka Electro-Commun. Univ.)

27日午前 General Session 5

SAT-1. 無人航空機を用いたドップラーシフトに基づくユーザ位置検出手法 ○石川博康・大貫紘季・斉藤祐貴 (日大)

SAT-2. Optimal UAV Altitude for Maximum Coverage with NOMA

○Young-bin Kim・Kosuke Yamazaki (KDDI Research)

3. Flight Dynamics Utility Functions on the Satellite Mission Operations

Byoung-Sun Lee・Yoola Hwang (Electronics and Telecommunications Research Inst.)

General Session 6

SAT-4. A Study on Optimization of Dynamic Radio Frame Construction for UAV Networks using Relay Communication

○Yuki Takahashi · Yuichi Kawamoto · Hiroki Nishiyama · Nei Kato (Tohoku Univ.) · Fumie Ono · Ryu Miura (NICT)

SAT-5. The development and standardization of Delay/Disruption Tolerant Networking technology in JAXA

○Shin Ogawa · Kiyohisa Suzuki · Ito Hiroyuki (JAXA)

6. Quality Analysis of Development SW of Satellite Control Systems using SW Static Testing Techniques

Cheol-Oh Jeong · In Jun Kim · Yoola Hwang · Soojeon Lee · Byoung-Sun Lee (Electronics and Telecommunications Research Inst.)

27 日午後 General Session 7 (13:10~)

SAT-7. 自律分散帯域制御 FDMA の周波数選択アルゴリズムによる衛星システム周波数利用効率向上の検討

○五藤大介 · 阿部順一 · 山下史洋 (NTT)

SAT-8. BER Performance Evaluation of OFDM/PM Systems with CSS Method for Satellite Communications Systems

○Sho Miyagi · Masato Saito (Univ. of the Ryukyus)

9. High-Power Planar Combiner Using New Broadband Load for Compact Solid State Power Amplifiers

Inkwon Ju · Manseok Uhm · Inbok Yom (Electronics and Telecommunications Research Inst.)

General Session 8

SAT-10. Direct Spectrum Division Transmission adapter for Cognitive multiple system overlay on the satellite transponder

○Fumihito Yamashita · Junichi Abe · Daisuke Goto · Koichi Harada (NTT)

11. Metamaterial Filter and Duplexer for X-band and Ku-band Satellite Communication

Changhyeong Lee · Dajung Han · Heejun Park · Abdul Rehman Khan · Muhammad Salman Khattak · Sungtek Kahng (Incheon National Univ.)

12. Absorptive K-band bandpass filter using a balanced recursive structure for high throughput satellite

Seong-Mo Moon · Inbok Yom (Electronics and Telecommunications Research Inst.)

SAT-13. Estimation Technique for Non-linear Characteristics for Satellite Transponder

○Masaaki Kojima · Yoichi Suzuki · Yuki Koizumi · Hisashi Sujikai · Shoji Tanaka (NHK)

◆KOSST 連催, IEEE VTS Japan Chapter 共催

◎26 日研究会終了後, 懇親会を予定していますので御参加下さい.

【問合せ先】

SAT 研究会幹事

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