# REVISED PROGRAM

For ICSANE 2012, Version – Late Night of October 5th, 2012

See bulletin board for more information on events and additional revisions.

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<td>Plenary Session 1 (Opening Ceremony)</td>
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<td>(SANE2012-79) Surface Movements during the 2011 Great Tohoku-Oki Earthquake Detected by ALOS/PALSAR ○ Manabu Hashimoto, Yo Fukushima, Youichiro Takada (Kyoto Univ.)</td>
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<td>10 Oct 10 10:50 - 12:10</td>
<td>Plenary Session 2 (Joint Technical Program)</td>
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<td>(ISRS)</td>
<td>Geo-KOMPSAT2-GEMS                               ○ Yeadong Kim</td>
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<td>SUCCESSFUL LAUNCHING OF KOMPSAT-3 BY H2-A ROCKET ○ Haejin Choi (KARI)</td>
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<td>(SANE2012-90)</td>
<td>Initial Checkout Result of GCOM-W1 (SHIZUKU) ○ Matsuaki Kato, Marehito Kasahara, Toshitaka Sasaki, Norimasa Ito, Masaaki Mokuno, Keizo Nakagawa (JAXA)</td>
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<td>(SANE2012-99)</td>
<td>The next-generation space infrared astronomy mission SPICA ○ Takao Nakagawa, Hideo Matsuura, Yasuhiro Kawakatsu (ISAS/JAXA)</td>
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10 Oct 2012 12:00-14:00  Posters-1 (6 papers)

P1-1. (SAN2012-60) Architecture Design of Modeling & Simulation Software for Military Search and Rescue System
○ Jaehyun Kim, Jeom-hun Lee, Sanguk Lee (ETRI), Woogeun Ahn (ADD)

P1-2. (SAN2012-61) Estimation Method of Dielectric Constants of Snow and Ice using Electric Field Vector Measurements
○ Kohei Osa (WNI), Josaphat Tetuko Sri Sumantyo, Fumihiko Nishio (Chiba Univ.)

P1-3. (SAN2012-63) Recent R&D Status of High Speed Data Transmission System for Satellite in JAXA
○ Tomohiro Araki, Kazuya Inaoka, Yoshiyuki Tashima, Masashi Shirakura, Masaaki Shimada (JAXA)

P1-4. (SAN2012-64) Wall-through Radar Modeling with Multi-layered Wall and GTD Near-field Target
○ Hirokazu Kobayashi, Yoshio Yamaguchi (Niigata Univ.)

P1-5. (SAN2012-57) Error Analysis of Current Vector Estimation using Multi-site HF Ocean Surface Radar System
○ Akitsgu Nadai (NICT)

P1-6. (SAN2012-107) Non-parametric Imaging Method for Multiple Moving Targets with Multi-static UWB Radar
○ Ryo Yamaguchi, Shouhei Kidera, Tetsuo Kirimoto (Electro-Communications Univ.)

P1-7. (SAN2012-100) Development and Operation of the Korea-Japan Joint VLBI Correlator (KJJVC) for East-Asia VLBI Network
○ Se-Jin Oh, Duk-Gyoo Roh, Jae-Hwan Yeom, ChungSik Oh (KASI), Noriyuki Kawaguchi, Hideyuki Kobayashi, Tomoaki Oyama (NAOJ)

10 Oct. 2012 14:00-15:20  A. Small Satellite
Chair: TBD

○ Sungdong Park, Moongyu Kim (Satrec Initiative Co., Ltd)
A-2. (ICSANE2012-1) Over View of the UNIFORM Project
  ○ Tetsuya Fukuhara (Hokkaido Univ.), Ryosuke Nakamura (AIST),
    Soshi Kato (NIES), Toru Kouyama (AIST),
    Koji Nakau, Yukihiro Takahashi (Hokkaido Univ.),
    Hiroaki Akiyama (Wakayama Univ.)

  -- Application to Observation and Communication System of Small Satellites --
  ○ Korehiro Maeda (Tokyo Univ.)

A-4. (SANE2012-80) The Design of Synthetic Aperture Radar onboard Minisatellite
  ○ Prilando Rizki Akbar, Josaphat Tetuko Sri Sumantyo (CEReS Chiba Univ.),
    Hirobumi Saito (ISAS/JAXA)

Chair: TBD

B-1. (SANE2012-56) Maximum Likelihood Track Extraction in High False Density Environments Using Sliding Window
  ○ Masanori Mori, Takashi Matsuzaki, Hiroshi Kameda,
    Toru Umezawa (Mitsubishi Electric Corp.)

B-2. (SANE2012-105) Collision Avoidance Road-Watch Radar for Smart Highway Safety
  ○ Jung-Soo Jung, Hee-Jin Yang, Young-Ho Seo,
    Young-Kil Kwag (Korea Aerospace Univ.)

  ○ Masato Watanabe, Takayuki Inaba (Electro-Communications Univ.)

B-4. (SANE2012-81) Preliminary Results of ARC External Calibration Experiments for EarthCARE/CPR
  ○ Jun Yamaguchi, Toshiyoshi Kimura, Hirotaka Nakatsuka, Yoshihiro Seki, Gaku Kadosaki (JAXA),
    Nobuhiro Takahashi, Yuichi Ohno, Hiroaki Horie, Kenji Satoh (NICT)
C. Navigation

Chair: TBD

C-1. (SANE2012-62) Integrity of ATCRBS Reply Data under Interference Environment
   ○ Shigeru Ozeki (ENRI)

   ○ Yongseok Choi (ETRI)

   ○ Takuya Otsuyama, Shigeru Ozeki (ENRI)

C-4. (SANE2012-104) Integer Ambiguity Resolution of Network Real Time Kinematic using Geometric Constraint
   ○ Eunsung Lee, Gi Wook Nam, Moon Beom Heo (KARI)

See bulletin board for more information on events and additional revisions.

D. SAR-1

Chair: Prof. Kazuo Ouchi (NDA)

D-1. (SANE2012-59) Evaluation of Pseudo Full-Polarimetric SAR Observation in Urban Area
   ○ Hajime Fukuchi, Yuta Oda, Fumikazu Ogai (Tokyo Metropolitan Univ.)

D-2. (SANE2012-108) Accurate and Robust Automatic Target Recognition Method for SAR Imagery with SOM-Based Classification
   ○ Shouhei Kidera, Tetsuo Kirimoto (Electro-Communications Univ.)

D-3. (SANE2012-69) Estimating Feature by Multi Frequency and Full Polarimetric SAR Observation
   ○ Fumikazu Ogai, Hajime Fukuchi (Tokyo Metropolitan Univ.)

D-4. (SANE2012-70) Combination of L, C and X-band SAR Data for Continuous Monitoring of Land Deformation in Urban Area by using DInSAR Technique
   ○ Luhur Bayuaji (CEReS, Chiba Univ.), Ratih Fitria Putri (Chiba Univ.), Josaphat Tetuko Sri Sumantyo (CEReS, Chiba Univ.)
E-1. (SANE2012-75) A Study on Detection of Forest Damage by SAR and Optical Data
   ○ Daisuke Nose, Kazuo Ouchi (NDA)

E-2. (SANE2012-66) Error Evaluation of Satellite-Bone SAR Interferometry
   ○ Yugo Shiina, Hajime Fukuchi (Tokyo Metropolitan Univ.)

E-3. (SANE2012-67) Parallel SPECAN Algorithm for SAR Processing on GPU
   ○ Bambang Setiadi, Luhur Bayu Aji, JT Sri Sumantyo, H. Kuze (Chiba Univ.)

E-4. (SANE2012-55) Development of Synthetic Aperture Radar onboard Unmanned Aerial Vehicle
   ○ Josaphat Tetuko Sri Sumantyo (Chiba Univ.)

P2-1. (SANE2012-82) First Experiment using Small Passive Ranging System
   ○ Tadahiro Gotoh, Toshihiro Kubo'oka (NICT), Shohei Taniguchi (SKY Perfect JSAT)

P2-2. (SANE2012-103) A Plan of Constructing of a Space Observation Network in Southeast Asia Based on Korea-Japan Space Cooperation
   ○ Tuhwan Kim, Hey-Rim Cheon, Jisu Kim, Jae-Hyun Kim (Ajou Univ.)

P2-3. (SANE2012-65) Current Status and Future Plan of KMA Meteorological Satellite Program
   ○ Dohyeong Kim, Hoseung Lee, Sunmi Na, Sungduck Yoon, Hee-Sang Lee (Korea Meteorological Administration)

   ○ Takanobu Shimada, Kazuyuki Hirose, Akio Kukita, Hirokazu Ikeda, Yoshio Ohgushi, Masanobu Ozaki, Tadayasu Dotani, Tsuyoshi Okazaki, Tadayuki Takahashi (JAXA), Yukishige Nozaki, Takeshi Muramatsu (NTSpace), Kazuyo Mizushima (NEC)
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<td>Woong-Seob Jeong (KASI)</td>
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<td>Keekeun Lee, H. Oh (Ajou Univ.)</td>
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<td>Akitsugu Nadai, Toshihiko Umehara, Takeshi Matsuoka, Makoto Satake, Tatsuharu Kobayashi, Jyunpei Uemoto, Seiho Uratsuka (NICT)</td>
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<td>Masatoshi Uno, Akio Kukita (JAXA)</td>
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<td>Turbo Equalizer/Decoder Performances of Nonlinear Channels due to Different Classes of GaN HPAs for X-band Nano Satellite High-Speed Downlink System</td>
<td>Naohiko Iwakiri (Tokyo Univ.), Hirobumi Saito (JAXA), Shinichi Nakasuka (Tokyo Univ.)</td>
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   ○ Tatsuya Yoshino, Yuta Araki, Yasuyuki Miyazaki (Nihon Univ.)

G-2. (SANE2012-91) Proposal of SMA Opener for Inflatable Structure
   ○ Ryo Murata, Yuta Araki, Masahiko Yamazaki, Yasuyuki Miyazaki (Nihon Univ.),
     Kazuki Watanabe, Yu Oikawa (Wel Research)

   ○ Shinichiro Hamada (Tokyo Denki Univ.), Atsushi Tomiki, Tomoaki Toda (JAXA),
     Takehiko Kobayashi (Tokyo Denki Univ.)

G-4. (SANE2012-76) Major Results of Medical ICT WINDS Experiments by Full Utilization of Open Source Software (OSS)
   ○ Fujinobu Takahashi, Satoshi Kubota, Takuto Shimizu, Tetsuhisa Furumoto,
     Yusuke Kito (Yokohama National Univ.),
     Takashi Takahashi, Mitsugu Ohkawa, Norihiko Katayama, Toshio Asai (NICT)

   ○ Kyu-Hwan Lee, Jae-Hyun Kim (Ajou Univ.)

H-2. (SANE2012-93) Design of Routing Scenarios for Terrestrial Network Interworked with Satellite Network
   ○ Kwang-Chun Go and Jae-Hyun Kim (Ajou Univ.)

H-3. (SANE2012-96) Broadband Satellite Link Design of the Ka-Band Frequency in Indonesia
   ○ Zulfajri Basri Hasanuddin (Hasanuddin Univ.), Meylanie Olivya (STMIK Handa)

H-4. (SANE2012-94) Validation of Downlink Aircraft Parameters (DAPs) using Radar-derived Data
   ○ Keisuke Matsunaga, Atsushi Senoguchi, Tadashi Koga (ENRI)
I. Remote Sensing

I-1. (SANE2012-84) Current Status of Japan's Activity for GPM/DPR Algorithm Development
   ○ Takuji Kubota, Satoshi Kida, Takeshi Masaki, Riko Oki, Yuki Kaneko, Misako Kachi (JAXA),
     Toshio Iguchi (NICT), Masahiro Kojima (JAXA)

I-2. (SANE2012-85) X-band Interferometric SAR Sensor for the Japanese Altimetry Mission
     COMPIRA
     ○ Ryoko Nakamura, Akihisa Uematsu, Yasuhiro Nakajima, Yukie Yajima,
       Ryota Sato, Compira Team (JAXA)

I-3. (SANE2012-102) First SAR Satellite in Korea, KOMPSAT-5
     ○ Sang-Ryool Lee, Jin-Hee Kim, Jae-Cheol Yoon (KARI)

I-4. (SANE2012-97) Introduction to Real-Time Operation of COMS Normal Operation
     ○ Young-Min Cho, Chul-Min Park, Bang-Yeop Kim (KARI)

J. Science Mission

J-1. (SANE2012-77) System of BepiColombo MMO
     ○ Hironori Maejima, Hajime Hayakawa, BepiColombo Project Team (JAXA)

J-2. (SANE2012-106) Current Status of the SPRINT-A/EXCEED Mission under Development
     ○ Atsushi Yamazaki, Kazunori Uemizu, Shujiro Sawai,
       Seisuke Fukuda, Nakaya Koji, Shin-ichiro Sakai (JAXA)