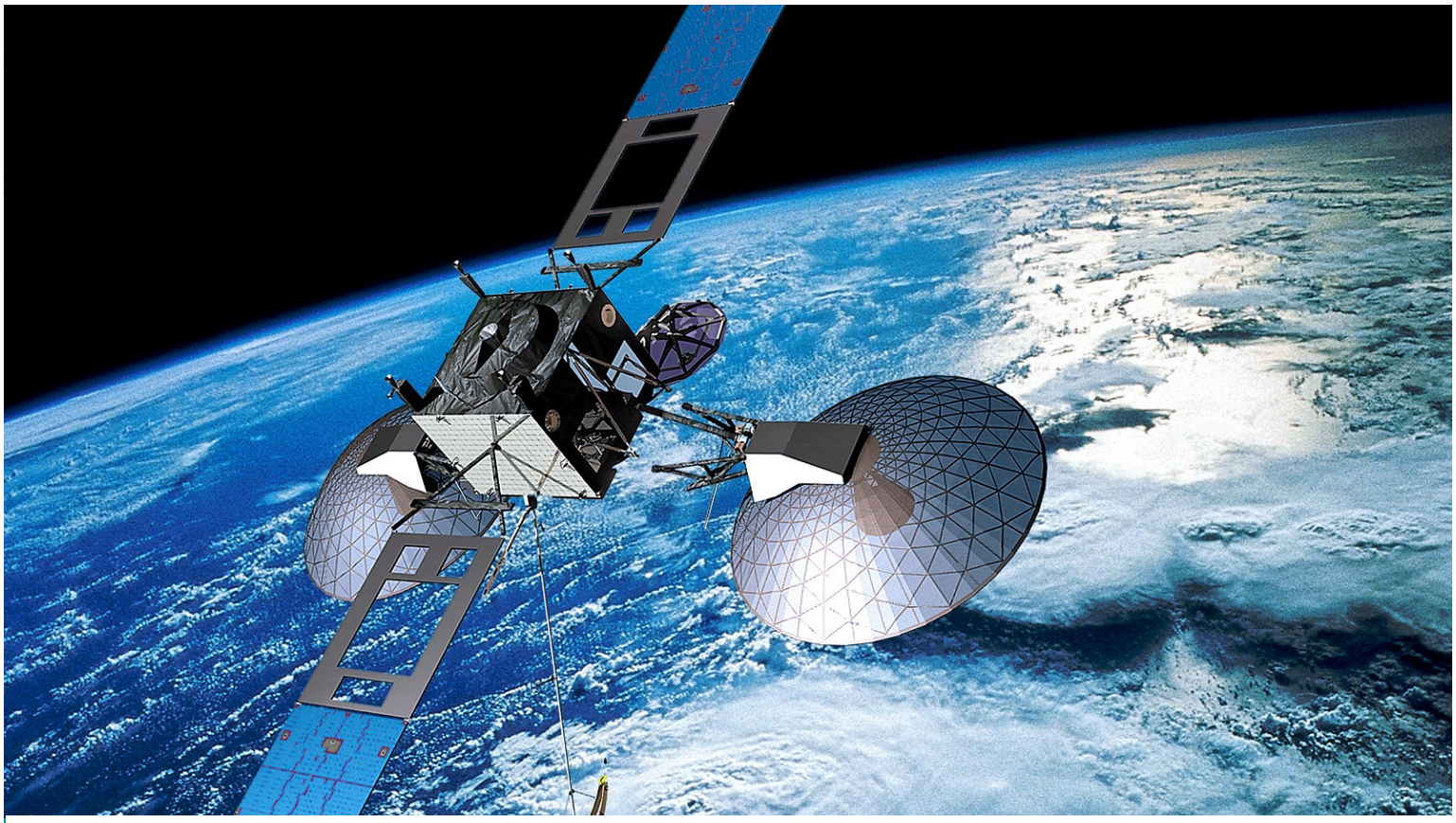
conferenceseries.com **Tentative Program**

4th International Conference and Exhibition on

Satellite & Space Missions

Rome, Italy June 18-20, 2018

Theme: "Shaping the Future with Latest Advancements in Satellite and Space Missions"



For available speaker slots

Contact: satellite@annualconferences.org

300+ Participation (70 Industry: 30 Academia) includes

- 19+ Interactive Sessions
- 15+ Keynote Lectures
- 75+ Plenary Lectures
- 5+ Workshops
- 20+ Exhibitors
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Tentative Program

4th International Conference and Exhibition on

Satellite & Space Missions

Rome, Italy June 18-20, 2018

Program at A Glance

Day 1

Morning Sessions

Reception/Registration	**08.00-09.00**	
	Time	**General Session**
Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
	09.15-09.45	Keynote/Plenary Talk 1
	09.45-10.15	Keynote/Plenary Talk 2
	10.15-10.45	Keynote/Plenary Talk 3
Panel Discussions/Group Photo		
Coffee/Tea Break 10.45-11.00 (Networking)		
11.00-12.40	Space Missions | Satellite Communications Systems	
Lunch Break 12.40-13.30		
13.30-15.30	Satellite Remote Sensing and GIS | Space explorations	
Coffee/Tea Break 15.30-15.45 (Networking)		
15.45-17.25	Workshop	

Day 2

	Time	**Session 1**	**Session 2**
Morning Sessions	09.00-10.40	Keynote Forum	Earth Observation Satellites | Weather Satellites | Aerospace and Mechanical Engineering
Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35	5 Speakers (20 Mins Each)	Satellite Navigation and Communication | Mobile Satellite Communication Networks | Earthquake and Structural Dynamics
Lunch Break 12.35-13.25			
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	Military Satellites | Space Weather
Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00	5 Speakers (20 Mins Each)	Earth Science

Day 3

	Time	**Session 1**	**Session 2**
Morning Sessions	09.00-10.40	Young Research Forum	Satellite Radiance | Materials Science in Space
Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35	5 Speakers (20 Mins Each)	Satellite Networks
Lunch Break 12.35-13.25			
Evening Sessions	13.25-15.05	5 Speakers (20 Mins Each)	Satellite Subsystems
Awards & Closing Ceremony			

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

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4th International Conference and Exhibition on

Satellite & Space Missions

Rome, Italy June 18-20, 2018

Organizing Committee



Yi Lung Mo
University of Houston
USA



Nicolas H Younan
Mississippi State University
USA



David Olowokere
Texas Southern University
USA



Benjamin K. Malphrus
Morehead State University
USA



Jian Lin
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Yavor Shopov
University Centre for Space Research & Technologies Sofia University
Bulgaria



Alexander M Krot
United Institute of Informatics Problems of National Academy of Sciences
Belarus



Dorian Gorgan
Technical University of Cluj-Napoca
Romania



Joseph Seckbach
The Hebrew University of Jerusalem
Israel

Glimpses of Satellite Conference















Glimpses of Satellite Conference

















Glimpses of Satellite Conference















Glimpses of Satellite Conference















Major Scientific Sessions

- Space Missions
- Satellite Communications Systems
- Remote Sensing Satellites and GIS
- Space explorations
- Earth Observation Satellites
- Weather Satellites
- Aerospace and Mechanical Engineering
- Satellite Navigation and Communication
- Mobile Satellite Communication
- Networks
- Earthquake and Structural Dynamics
- Military Satellites
- Space Weather
- Earth Science
- Satellite Radiance
- Materials Science in Space
- Satellite Networks
- Satellite Subsystems

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Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement



- Apart from the judging time you may also be present at the poster to share your research with interested delegates

Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

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Satellite 2018

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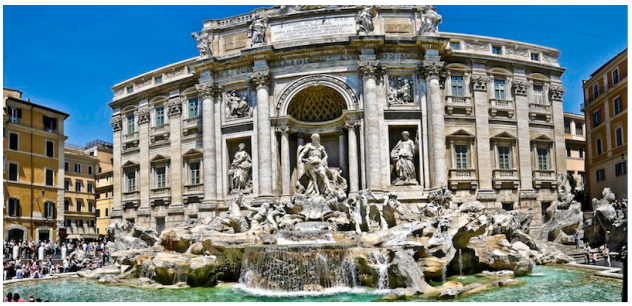
Vatican City



Castel Sant'Angelo



St. Peter's Basilica



Trevi Fountain

About Rome

Rome is one of the best cities to organize an international conference on Satellite. The research work going on in the field is in a good range when compared to the other cities. Rome is the fastest growing city in the Italy with an excellent economic growth. Several of the College of Technology degree programs are offered at Rome engineering campuses.

The location is continuously focusing on a Satellite Remote sensing, Earth observations and Italian Space, technology-driven manufacturing industry. Rome industry is at the forefront of innovation with 3.6 percent of the GNP, Rome makes the second highest investment in research and development in the country. About 61 percent of R&D spending goes to the very pronounced publicly funded and university research landscape. Industry receives about a 27-percent share. Rome is unique in that science as a resource is available to industrial companies in a highly compact manner and offers companies excellent cooperation opportunities. Rome is Italy's top tourist city destination. It is a great city to visit, mixing venues of historical interest with exciting recreation and entertainment opportunities. Alongside its major historical sites, Rome offers a diverse range of top attractions – world famous buildings, museums, city parks, cabaret theatres, festivals and of course plenty of shopping opportunities. Satellite-2018 Conference at Rome will certainly give a wonderful experience to attendees to explore the beautiful city with gaining knowledge.

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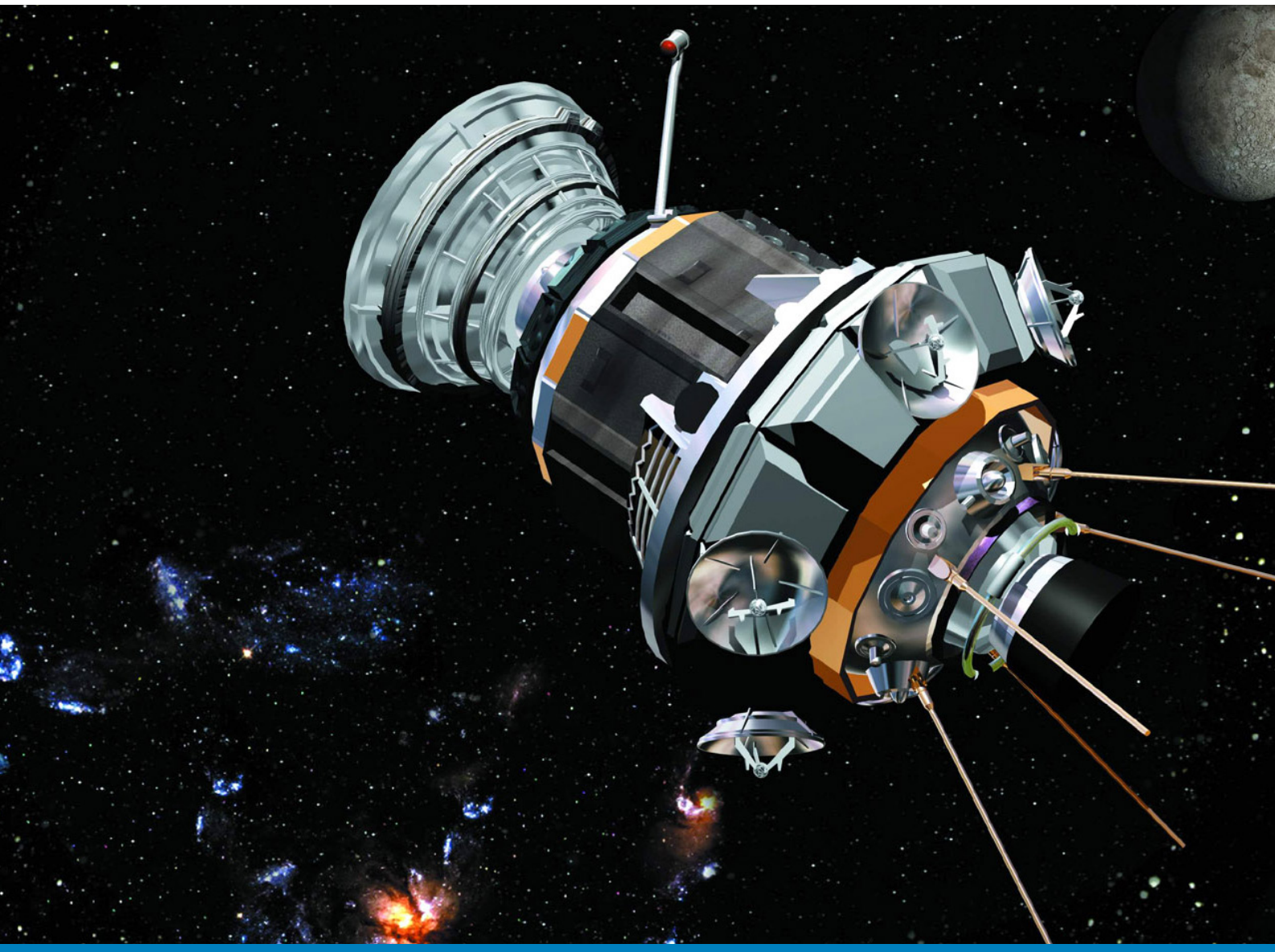
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Scientific Program

3rd International Conference and Exhibition on

Satellite & Space Missions

May 11-13, 2017 Barcelona, Spain



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Day 1 May 11, 2017

Registrations

Gatwick

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Opening Ceremony

Keynote Forum

Introduction

Title: A new era of planetary exploration with small satellite platforms

Benjamin K Malphrus, Morehead State University, USA

Title: Space research at AFOSR

Kent Miller, Air Force Office of Scientific Research, USA

Networking & Refreshments

Title: Post-ISS concept for 2025 and beyond

Oliver Romberg, German Aerospace Center, Germany

Group Photo

Sessions: Space Missions | Space exploration | Earth Observation Satellites | Satellite Orbits: Models, Methods, and Applications | Weather Satellites | Satellite Navigation and Communication | Mobile Satellite Communication Networks | Space Weather | Earth Science

Session Chair: Nicolas H Younan, Mississippi State University, USA

Session Co-chair: Joseph Seckbach, The Hebrew University of Jerusalem, Israel

Session Introduction

Title: Lunar IceCube: Pioneering technologies for interplanetary small satellite exploration

Benjamin K Malphrus, Morehead State University, USA

Title: Electron photoavalanche diode arrays: A new technology for noiseless high speed near infrared sensors

Gert Finger, European Southern Observatory, Germany

Title: Nanosatellites, the tool for a new economy of space: Opening space frontiers to a wider audience

Gloria Garcia Cuadrado, Celestia Aerospace, Spain

Title: Research methodology in mechanical systems and bionics from Plato to contemporary science

Simona-Mariana Cretu, University of Craiova, Romania

Title: SUCHAI 2 and 3: Scientific grounds and challenges of the new space mission of the University of Chile

Marcos A Diaz, University of Chile, Chile

Lunch Break

Title: Proposals on multi-channel methods for the simultaneous remote sensing of [$O(^3P)$], [O_3] and [CO_2] altitude profiles in the mesosphere and lower thermosphere in daytime

Valentine A Yankovsky, St. Petersburg State University, Russia

Title: Single-satellite global positioning system

Alexander V Bagrov, Institute of Astronomy of the Russian Academy of Sciences (INASAN), Russia

Title: Optimal detection of changes in real-time data: Applications in satellites

Peter Johnson, University of Manchester, UK

Title: Using Object Based Image Analysis to monitor soil aggregate breakdown under natural conditions

Irena Ymeti, University of Twente, Netherlands

Title: Space exploration: A matter for governments or for private operators

Giancarlo Genta, Polytechnic University of Turin, Italy

Title: Hypothetical discovery of life on Venus

Leonid V Ksanfomality, Space Research Institute, Russia

Networking & Refreshments

Title: AURORA project: A challenge for synergistic exploitation of Sentinel-4/-5 ozone operational products

Ugo Cortesi, Institute for Applied Physics "Nello Carrara" (IFAC-CNR), Italy

Title: Micro-Satellite hosted laser-gated system for space debris tracking, forest fires and plants' health monitoring and underground facilities' location

Yavor Yossifov Shopov, Sofia University, Bulgaria

Title: Necklaces theory applied to satellite constellation design

Eva Tresaco, University of Zaragoza, Spain

Title: Spatial technology: Hydrological perspectives

Imran Ahmad, Debre Tabor University, Ethiopia

Title: Future intelligent earth observing satellites

George Zhou, Guilin University of Technology, China

Panel Discussion

Day 2 May 12, 2017

Gatwick

Keynote Forum

Introduction

Title: High resolution satellite precipitation estimation based on cloud classification

Nicolas H Younan, Mississippi State University, USA

Title: Visual analysis on multidimensional massive data

Dorian Gorgan, Technical University of Cluj-Napoca, Romania

Networking & Refreshments

Title: Unified satellite image fusion for sustainable urban environment

Bo Huang, Chinese University of Hong Kong, Hong Kong

Title: Fundamental principles of gyroscope theory

Ryspek Usubamatov, Kyrgyz State Technical University, Kyrgyzstan

Sessions: Remote Sensing Satellites and GIS | Aerospace and Mechanical Engineering | Asteroid Impact Mission (AIM) | Earthquake and Structural Dynamics | Space Weather | Military Satellites | Orbital Mechanics | Materials Science in Space

Session Chair: Gloria Garcia-Cuadrado, Celestia Aerospace, Spain

Session Co-chair: Dorian Gorgan, Technical University of Cluj-Napoca, Romania

Session Introduction

Title: Engaging the user community in developing Earth observing remote sensing data products

Vanessa M Escobar, NASA Goddard Space Flight Center, USA

Title: Is there life on planets and satellites? Examples from extremophilic candidates on earth

Joseph Seckbach, Hebrew University of Jerusalem, Israel

Title: Modeling the space environment and its effects on spacecraft and astronauts using SPENVIS

Stijn Calders, Royal Belgian Institute for Space Aeronomy, Belgium

Lunch Break

Title: New technologies applied to environmental remote sensing

Emilio Ramírez-Juidías, University of Seville, Spain

Title: Mars the harbinger of human survival

Donald C Barker, MAXD Inc., USA

Title: Application of remote sensing in mapping potential gold mineralization in Muteh gold mining area, Iran

Hooshang Asadi Haroni, The University of Western Australia, Australia

Title: The panorama of European launchers and their evolution

Jean-Marc Astorg, National Center for Space Studies (CNES), France

Title: An online batch-based fusion filter for navigation in Mars final approach phase

Zhengshi Yu, Beijing Institute of Technology, China

Networking & Refreshments+ Poster Presentations

REC 01

Title: Current status of development of solar coronagraph system

Jihun Kim, Korea Astronomy & Space Science Institute, South Korea

REC 02

Title: Hamiltonian model of formation flying satellites in the critical circular orbits

Shaheera A Altalhi, King Abdul-Aziz University, KSA

REC 03	**Title: The combined Kepler 3rd law with universal stellar law: Derivation and application to extra solar systems investigation** **Alexander M Krot,** United Institute of Informatics Problems-NAS, Belarus
REC 04	**Title: Non-rocket launch from Mars** **Vladislav A Leonov,** Institute of Astronomy of the Russian Academy of Sciences (INASAN), Russia
REC 05	**Title: Solar 3-D printer for lunar construction** **Valentin K Sysoev,** Lavochkin Association, Russia

Session Continues…

Title: Sequential quadratic programming and metaheuristic methods applied to low-thrust interplanetary transfers
Porzia Federica Maffione, Polytechnic University of Turin, Italy
Title: Using of thermal vision cameras for remote location of caves on Mars for immediate shelters for astronauts and storage chambers
Yavor Yossifov Shopov, Sofia University, Bulgaria
Title: Flying Vehicles (FV) for air and space medium, which reactive force is generated by acceleration of electrically charged particles in a constant electric field implemented both inside and outside of the FV
Gennady Semenovich Luk'yanchikov, Prokhorov General Physics Institute-RAS, Russia
Title: The evolvement of the university orbital constellation of small satellites series AIST for scientific, educational and applied tasks in the field of remote sensing
Ivan S Tkachenko, Samara University, Russia
Title: Forcing of sunspot number oscillations on North Atlantic oscillations
Shahinaz Yousef, Cairo University, Egypt
Title: Evolution of mission, design and utilization trends of small and miniaturized satellites in developing countries
Mohamed B Argoun, Cairo University, Egypt

Day 3 May 13, 2017

Extended Networking & Lunch

Award & Closing Ceremony

Bookmark your dates

5th International Conference and Exhibition on

Satellite & Space Missions

June 21-23, 2018 Rome, Italy

conferenceseries.com

2nd International Conference and Exhibition on

Satellite & Space Missions

July 21-23, 2016 Berlin, Germany

Scientific Program



Registrations

Experience I+II

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Opening Ceremony

Keynote Forum

Introduction

Title: Revolution of space technology, new idea how we can speed up time travel to planets by using electromagnetic field in space
Capt. AbdullahAl Zahrani, Alzahrani Space Innovation, Poland

Title: Flexible description of earth observation data processing
Dorian Gorgan, Technical University of Cluj-Napoca, Romania

Title: Human long duration space missions: Space dentistry, medicine and space policy
Balwant Rai, Kepler Space Institute, USA

Networking & Refreshments @ Main Lobby

Group Photo

Sessions:

Space Missions | Space Exploration | Earthquake Engineering | Types of Satellites and Applications | Aerospace Engineering and Technology | Applications of Satellite Technology | Climate change and Weather forecasting

Session Chair: Dorian Gorgan, Technical University of Cluj-Napoca, Romania
Session Co-Chair: Joseph Seckbach, The Hebrew University of Jerusalem, Israel

Session Introduction

Title: Current issues in Space Situational Awareness (SSA) and Space Traffic Management (STM)
Mark A Skinner, The Boeing Company, USA

Title: Space simulated missions and space research: Human health
Balwant Rai, Kepler Space Institute, USA

Title: Geodetic earthquake forecasting and crustal deformation modeling from point position changes using GPS data
Yüksel Altiner, Federal Agency for Cartography and Geodesy in Frankfurt am Main, Germany

Title: Characteristics of hypervelocity impact of micro-particles on multi-foils shield configurations
Sunil C Joshi, Nanyang Technological University, Singapore

Title: Implementation of a micro-satellite program in the infrastructure of the Russian segment of the International Space Station
Stanislav I Klimov, Russian Academy of Sciences (IKI RAS), Russia

Title: Analytical method for space debris propagation under perturbations in the geostationary ring
Daniel Casanova Ortega, University of Zaragoza, Spain

Title: Dealing with the Earth's ionosphere's complexity
Massimo Materassi, Institute for Complex Systems of the National Research Council, Italy

Lunch Break @ Element I+II Restaurant

Title: PC index as a ground-based proxy of the solar wind energy incoming into the magnetoshere: Means for space weather monitoring
Oleg Troshichev, Arctic and Antarctic Research Institute, Russia

Title: Joint viterbi detector/decoder for satellite communications
Chan Kheong Sann, Data Storage Institute (DSI), Singapore

Title: From extremophilic microbes to extraterrestrial possibilities of life
Joseph Seckbach, The Hebrew University of Jerusalem, Israel

Title: How to talk about Einstein's general theory of relativity?
Oyvind G Gron, Oslo and Akershus University, Norway

Title: Analysis of launch opportunity for low-thrust interplanetary missions
Maffione Porzia Federica, Politecnico di Torino, Italy

Networking & Refreshments @ Main Lobby

Title: Electrochemical behavior in acidic medium of Al–2.0 wt. %Fe aerospace alloy treated by laser surface remelting

Moisés Meza Pariona, State University of Ponta Grossa, Brazil

Title: Analysis of (soft) soil parameter uncertainty in planetary rover mobility simulations

Alberto Gallina, AGH University of Science and Technology, Poland

Title: Services for space missions support within the ESA space situational awareness space weather service network

Erwin De Donder, Royal Belgian Institute for Space Aeronomy, Belgium

Title: Monitor and study horizontal and verticals changes at land surface using remote sensing and GIS technology

Mohamed Mhmod, Jilin University, China

Title: Development of the statistical theory of forming cosmogonical bodies to explain a stability of the orbital movements of planets and the forms of planetary orbits

Alexander M Krot, United Institute of Informatics Problems of National Academy of Sciences, Belarus

Networking & Refreshments @ Main Lobby

Title: Geospatial approaches for micro level farm planning - A step to enhance crop productivity

Sathish Ayyappa, University of Agricultural Sciences, India

Title: Space-based solar laser system simulation to transfer power onto the Earth

Yasser A Abdel-Hadi, National Research Institute of Astronomy and Geophysics (NRIAG), Egypt

Title: Design and realization of payload operation and application ground system of China's space

Hongfei Wang, Chinese Academy of Sciences, China

Title: Major crops classification using time series MODIS EVI with adjacent years of ground reference data in the US state of Kansas

Muhammad Shakir, University of Chinese Academy of Sciences, China

Panel Discussion

Day 2 July 22, 2016

Experience I+II

Keynote Forum

Introduction

Title: New perspectives of combined data sets for environmental information
Barbara Koch, Albert-Ludwigs University of Freiburg, Germany

Title: Celebrating the centenary of the Schwarzschild solutions and Einstein's prediction of gravitational waves and their detection by LIGO
Oyvind G Gron, Oslo and Akershus University, Norway

Title: History and modernity of the study of space weather in Russia
Stanislav I Klimov, Institut Kosmicheskih Issledovanyi - RAS, Russia

Networking & Refreshments @ Main Lobby

Sessions:

Orbital Mechanics | Satellite Remote Sensing and GIS | Satellite Subsystems | Satellite Communication | Satellite Navigation and Communication | LTE-based ground network and Satellite networks

Session Chair: Barbara Koch, Albert-Ludwigs University of Freiburg, Germany

Session Co-Chair: Nicolas H Younan, Mississippi State University, USA

Session Introduction

Title: ISEE III reboot project or how to save an interplanetary spacecraft on a shoestring budget

Dennis Wingo, Skycorp Incorporated, USA

Title: Information retrieval from Earth Observation (EO) imagery

Nicolas H Younan, Mississippi State University, USA

Title: Potential of different sensor combination approaches for the estimation of above ground biomass

Barbara Koch, Albert-Ludwigs University of Freiburg, Germany

Title: New methods for remote sensing of altitude profiles of the $O(^3P)$, O_3 and CO_2 in the daytime mesosphere and lower thermosphere

Valentine A Yankovsky, St. Petersburg State University, Russia

Title: Orbital dynamics of a solar sail accelerated by thermal desorption of coatings

Elena Ancona & Roman Ya Kezerashvili, Polytechnic University of Turin, Italy/The City University of New York, USA

Title: Cloud detection in the sun area of total sky images using a conventional and a low-cost sky camera

Joaquín Alonso Montesinos, University of Almería, Spain

Title: From space to Earth: the GPR frontiers

Pier Matteo Barone, The American University of Rome, Italy

Lunch Break @ Element I+II Restaurant

Title: The theory of solar zenith – Proposed new rules for the seasons of year in intertropical locations focusing Salvador Bahia

Luiz Sampaio Athayde Junior, UFBA-Federal University from Bahia, Brazil

Title: Synoptical monitoring of climatic thermic fronts on the surface of the Southern Ocean by means of satellite remote sensing and in situ measurements

Victor V Ionov, St. Petersburg State University, Russia

Title: Using multispectral and hyperspectral satellite imagery in ecological and geographical studies

Mikhail Yu. Puzachenko, Institute of Geography RAS, Russia

Title: Impervious surface detection using very high spatial resolution satellite data

Ebrahim Taherzadeh Mobarakeh, Ground Data Solutions R&D Sdn Bhd, Malaysia

Title: Enhanced chemical vapor sensing by single-stranded DNA-graphene

Seong Chan Jun, Yonsei University, Korea

Networking & Refreshments @ Main Lobby

Poster Presentations

Title: The evaluation of solar farm locations applying geographic information system and multi-criteria decision-making methods: Case study in Southern Morocco

Meryem Tahri, University Hassan II, Morocco

Title: Unveiling the first high resolution satellite mosaic coverage of Botswana's Okavango Delta

Hamisai Hamandawana, University of Fort Hare, South Africa

Title: Changing paradigm in satellite design, development and assembly with 3D printing

Sunil C Joshi, Nanyang Technological University, Singapore

Networking & Refreshments @ Main Lobby

16:40-18:40 **Title: WorDeL Language – Tutorial on flexible description of Earth observation data processing**

Dorian Gorgan, Victor Bacu, Constantin Nandra, Technical University of Cluj-Napoca, Romania

18:40-19:00 **Title: Detecting coastline changes using GIS and remote sensing, a case study from oman**

Lotfy Kamal Azaz, Menofya University, Egypt

Panel Discussion

Award Ceremony

Day 3 July 23, 2016

Extended Networking Session



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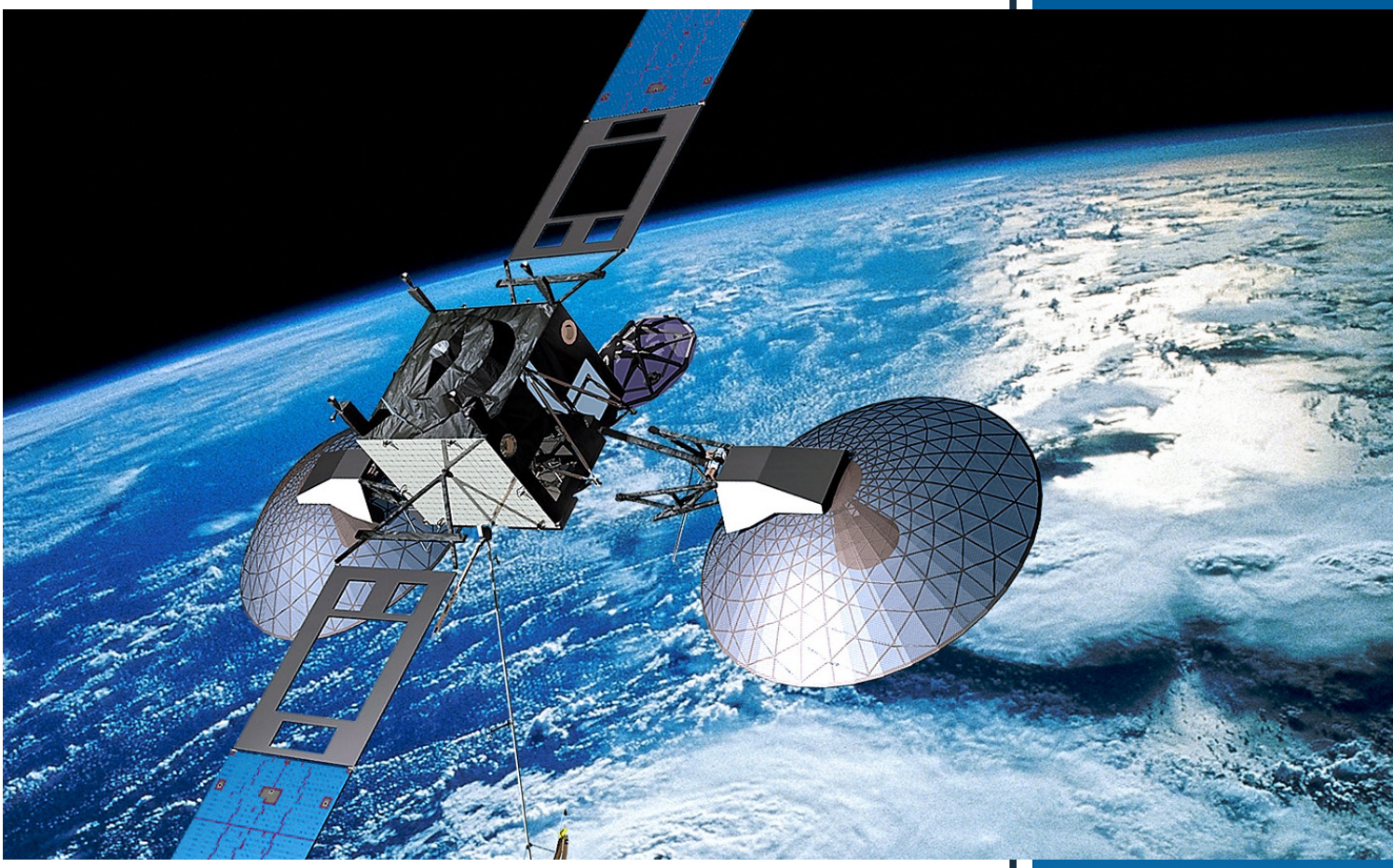
Scientific Program

International Conference and Exhibition on

Satellite

Houston, USA August 17-19, 2015

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Registrations

Windsor-II

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Opening Ceremony

Keynote Forum

Introduction

Guoquan Wang
University of Houston, USA

Yi Lung Mo
University of Houston, USA

Coffee Break @ Gallery

David Olowokere
Texas Southern University, USA

Group Photo

Track 1: Satellite Engineering & Technology
Track 12: Integral Manoeuvres for the Future
Track 13: Vibration Design and Satellite Remote Sensing

Session Chair: Yi Lung Mo, University of Houston, USA
Session Co-Chair: Hyongki Lee, University of Houston, USA

Session Introduction

Title: Periodic material-based vibration isolation for satellites
Yi Lung Mo, University of Houston, USA
Title: Applications of satellite remote sensing for hydrologic studies
Hyongki Lee, University of Houston, USA
Title: Introduction to GPS geodesy infrastructure in the Houston metropolitan area for urban geological hazards study
Guoquan Wang, University of Houston, USA

Lunch Break @ Windsor-III

Title: Case study of satellite-based AIS system for continuous tracking at sea of global movement of Nigerian liquefied natural gas
David Olowokere, Texas Southern University, USA
Title: Improving BIM as an architectural design tool towards sustainability through applying LEED categories on its database
Wael Ahmed Abonema, Helwan University, Egypt
Title: Thermo-electrochemical testing and simulation of lithium-ion batteries operating in radiation driven space environments
William Walker, National Aeronautics and Space Administration, USA
Title: Satellite launch and in-orbit insurance
Robert P Whearty, Marsh Space Projects, USA

Coffee Break @ Gallery

Title: India's first Moon and Mars missions orbit determination
Narayanasetti Venkata Vighnesam, Visvesvaraya Technological University, India
Title: A time domain along-track SAR interferometry method
Ning Cao, University of Houston, USA
Title: Diffusion modeling of water flow in the Congo floodplains using geodetic and remote sensing measurements
Ting Yuan, University of Houston, USA
Title: Comparison analysis of global horizontal irradiance between Korea Institute of Energy Research and NASA
Shin Young Kim, Korea University, Korea

Panel Discussion

Day 2 August 18, 2015

Keynote Forum

Introduction

Dimitar Ouzounov
Chapman University, USA

Dorian Gorgan
Technical University of Cluj-Napoca, Romania

Coffee Break

Track 2: Satellite Navigational Systems
Track 3: Types of Satellites & Applications
Track 4: Satellite Subsystems
Trcak 5: Space Missions
Track 6: Military and Non-Military Satellite Technology

Session Chair: Dorian Gorgan, Technical University of Cluj-Napoca, Romania
Session Co-Chair: Luiz Sampaio Athayde Junior, Federal University of Bahia, Brazil

Session Introduction

Title: Testing geospace technologies for alerting large earthquakes: An integrated approach of space and ground observations
Dimitar Ouzounov, Chapman University, USA
Title: Geodetic imaging technologies for research and education
Ramesh L Shrestha, University of Houston, USA
Title: Paradoxical variation of the solar day related to Kepler/ Newton system: The Solar Zenith Theory
Luiz Sampaio Athayde Junior, Federal University of Bahia, Brazil
Title: Flexible and adaptive processing of Earth observation data over high performance computation architectures
Dorian Gorgan, Technical University of Cluj-Napoca, Romania

Lunch Break @ Windsor-III

Title: The conceptual project of the geophysical microsatellite
Matviyenko Sergiy Anatoliyovich, State enterprise "Design office" Yuzhnoye "of M.K.Jangel", Ukraine
Title: ARD (Alpha-Ray Detector) on board SELENE : Design, in-orbit performance and scientific outcome
Masayuki Itoh, Kobe University, Japan
Title: A GUI for optimization of low-thrust trajectories for nuclear and solar electric propulsion
Porzia Federica Maffione, Polytechnic of Turin, Italy
Title: Optimized image collection planning for KOMPSAT
Heejin Bae, KARI (Korea Aerospace Research Institute), Korea

Coffee Break @ Gallery

Title: The use of satellites in the border security
Ali Emre Destegul, Turkish Air War College, Turkey
Title: Will high-altitude long-endurance (HALE) UAVS replace satellites?
Lt. Abdullah Kaya, Turkish Air War College, Turkey

Panel Discussion

Day 3 August 19, 2015

Churchill

Track 7: New Satellite Technologies for Cleaner Low Orbits
Track 10: Applications of Satellite Technology
Track 11: Satellite Challenges and Solutions

Session Chair: Ruisong Xu, Chinese Academy of Sciences, China
Session Co-Chair: Antonio G Accettura, OHB System AG, Germany

Session Introduction

Title: Algorithms for optimal scheduling of multiple spacecraft maneuvers
Atri Dutta, Wichita State University, USA
Title: Future telecomsats as a new paradigm for satellite industries and operators
Antonio G Accettura, OHB System AG, Germany

Coffee Break @ Gallery

Title: Protected Antipode Circle (PAC) on the far side of the Moon
Claudio Maccone, International Academy of Astronautics(IAA), Italy
Title: Remote sensing monitoring and driving force analysis of urban expansion in Guangzhou City, China
Ruisong Xu, Chinese Academy of Sciences, China
Title: GNSS positioning availability control under space weather hazards
Vladislav V Demyanov, Irkutsk State Transport University, Russia
Title: Enhancing LEED as a sustainable rating system by applying its regional priority for all environmental regions
Wael Ahmed Abonema, Helwan University, Egypt

Lunch Break @ Windsor-III

Title: Reliability and cost effectiveness of spacecraft attitude and orbit monitoring
Tamer Mekky Ahmed Habib, National Authority for Remote Sensing and Space Sciences, Egypt
Title: Mitigating the effects of rain-induced fading in Ka-band satellite video broadcast system using time diversity in concert with maximal ratio combining
Leshan Uggalla, University of South Wales, UK
Title: Estimating total suspended sediment (TSS) budget of a freshwater lake using remote sensing
Essayas Kaba Ayana, Columbia University, Columbia
Title: Conceptual design of manned space transportation vehicle using laser thruster in combination with H-II rocket
Yoshinari Minami, Advanced Science-Technology Research Organization, Japan
Title: Electrodynamics of new submillimeter transmission lines based on flat waveguide splitters
Alexander G. Yushchenko, National Technical University, Ukraine

Panel Discussion

Award Ceremony

Coffee Break @ Gallery

