



1st IAA Conference on Space Situational Awareness (ICSSA) Orlando, FL, USA, Nov. 13-15, 2017



The ozone hole is in recovery thanks to the Montreal agreement. Unlike the ozone problem, Earth orbits congestion and collisions in space will not solve themselves by simply stopping orbital injections. “We need to fix this plane while it is flying”. And we have to do it yesterday.

ICSSA 2017 stats:

1. 91 attendees
2. 16 countries (including Brazil, Canada, China, European Union (ESA), France, Italy, Germany, Spain, Hong Kong, Korea, Poland, Russia, Switzerland, Ukraine, United Kingdom, and the United States).
3. 15 US States (Alabama, Arizona, California, Colorado, Florida, Georgia, Maryland, Missouri, North Carolina, New Mexico, Ohio, South Carolina, Texas, Virginia, and Washington State).
4. U.S. Government Involvement from AFOSR/EOARD, NASA, Lockheed Martin Corporation, and the U.S. Air Force.
5. 4 keynote speakers.

The future looks bright:

1. ICSSA 2019 in Washington, DC, Nov. 18-20
2. Forming a new IAA Committee on SSA, with the following goals:
 - Sensitize the public about the future of space accessibility
 - Run ICSSA conferences
 - Make recommendations for space traffic management
 - Create an international body above government agencies



*2nd IAA Conference on
Space Situational Awareness (ICSSA)
Washington, DC, Jan. 14-16, 2020*



www.icssa2020.com



MANUSCRIPTS ARE SOLICITED ON TOPICS RELATED TO SPACE SITUATIONAL AWARENESS INCLUDING BUT NOT LIMITED TO:

- alternative (non-propulsive) deorbiting technologies
- association
- cybersecurity in space
- debris removal
- drag-controlled re-entry
- forecasting
- identification
- information & communication
- liability & insurance issues
- proximity operations
- risk assessment
- resource allocation
- RSO/NEO sensing
- RSO/NEO identification
- space weather
- space policy
- spacecraft control
- testing of debris removal systems (e.g. via CubeSats)
- tracking

ABSTRACTS DEADLINE
October 10, 2019

Organized by



UF UNIVERSITY of
FLORIDA

2ND IAA
CONFERENCE ON
SPACE
SITUATIONAL
AWARENESS
HILTON
ARLINGTON
WASHINGTON, D.C., USA
JANUARY 14 - 16, 2020



WWW.ICSSA2020.COM

2020 ICSSA IAA CONFERENCE ON SPACE SITUATIONAL AWARENESS

January 14-16, 2020 - Washington D.C.

CALL FOR PAPERS

The 2nd Conference on Space Situational Awareness will be held in Washington, D.C., USA, on **January 14-16, 2020**. Manuscripts will be accepted based on the quality of the extended abstract, the originality of the work and/or ideas, and the anticipated interest in the proposed subject. Submissions that are based on experimental results or current data, or report on ongoing missions, are especially encouraged.

COMPLETE MANUSCRIPTS ARE REQUIRED BEFORE THE CONFERENCE.

THE WORKING LANGUAGE FOR THE CONFERENCE IS ENGLISH.

SPECIAL SESSIONS

Proposals are being considered for suitable special sessions, such as topical panel discussions, invited sessions, workshops, mini-symposia, and technology demonstrations. A proposal for a panel discussion should include the session title, a brief description of the discussion topic(s), and a list of the speakers and their qualifications.

For an invited session, workshop, minisymposium, or demonstration, a proposal should include the session title, a brief description, and a list of proposed activities and/or invited speakers and paper titles. Prospective special session organizers should submit their proposals to the Conference Chairs.

INFORMATION FOR AUTHORS

The papers for the conference program will be selected basing on the quality of extended abstracts.

The abstract has to be submitted before the conference, by October 10, 2019. Due to the large number of expected submissions we encourage authors to submit abstracts early.

Notification of acceptance will be sent via email by October 24, 2019. Detailed author instructions will be sent by email following acceptance. By submitting an abstract, the author affirms that the manuscript's majority content has not been previously presented or published elsewhere. The deadline to submit the full paper is December 1, 2019.

PROGRAM COMMITTEE

Co-chairs:

Riccardo Bevilacqua, University of Florida
Moriba Jah, University of Texas at Austin
Mrinal Kumar, Ohio State University

MEMBERS

Jeng-Shing (Rock) Chern, Canada
Arun Misra, Canada
Ali Al-Mashat, France
Christophe Bonnal, France
Holger Krag, Germany
Luciano Anselmo, Italy
Carmen Pardini, Italy
Thomas Schildknecht, Switzerland
Jeri-Chyi Liou, United States
Tarek Elgohary, United States

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ABSTRACT DEADLINE: October 10, 2019

PAPER DEADLINE: December 1, 2019

Book Workshop from Dr. Alexa S. Chilcutt, Associate Professor and Director of The University of Alabama's Public Speaking Program ("*Engineered to Speak*")



Dr. Jer Chyi "J.-C." Liou, Chief Scientist for Orbital Debris, NASA

Dr. J.-C. Liou is the NASA Chief Scientist for Orbital Debris. He also serves as the Program Manager for the NASA Orbital Debris Program Office. He is responsible for overseeing orbital debris measurement, modeling, and risk assessment efforts to support NASA missions. He also leads the interactions with other U.S. and international agencies and organizations on technical and policy development aspects of orbital debris mitigation. He is the Head of the NASA Delegation to the Inter-Agency Space Debris Coordination Committee (IADC) and is a regular member of the U.S. Delegation to the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS) and the COPUOS Scientific and

Technical Subcommittee (STSC).



Christophe Bonnal, Senior Expert of the Launcher Directorate, CNES

Christophe Bonnal is a launcher expert, holding various positions during his 35 years career, first in industry then at CNES, the French Space Agency, on topics such as Ariane 5 development then future projects, reusable launchers or space tugs. Christophe is currently the Senior Expert of the Launcher Directorate of CNES.

In parallel, Christophe has been in charge of the Space Debris topic since 1987 and is currently French delegate to ISO and IADC. Member of AIAA, Emeritus of French 3AF, Member of AAE (Air & Space Academy), Member of IAA, Christophe is the co-chair (with J.-C. Liou) of the IAA Space Debris Committee.



Dr. Roberto Virzo, Associate Professor of International Law, University of Sannio (Benevento)

Roberto Virzo is Associate Professor of International Law at the University of Sannio (Benevento); Adjunct Professor of International Organizations at LUISS Guido Carli University (Rome) and, since 2011, Visiting International Professor of International Law of the Sea and International Environmental Law at the University of Florida Levin College of Law.

Furthermore, he is a regular speaker at various meetings and International Conferences. He holds a Ph.D. in International Law and EU Law from University of Bari Aldo Moro. He served as Italian Delegate at the XVI Session of the Procurement Group of UNCITRAL.

Professor Virzo has media appearances in leading European newspapers, news agencies and broadcasters