INVITATION TO DASIA 2020
with
Call for Papers

DASIA 2020 Essentials
The 25th version of the European aerospace conference DASIA (DAta Systems In Aerospace) organized by Eurospace will be executed in the 3-day period from the 26th to the 28th of May 2020, Tuesday to Thursday.

DASIA 2020 will take place at the hotel Novotel Bucharest City Center, Romania.

Presentation abstracts of MIN. 2 pages shall be available latest 31st of January 2020 via dasia@eurospace.org

This invitation plus further conference information will be available at eurospace.org. Mid December you will here find information on the registration for the conference and on room booking at the conference hotel. It is recommended to make an early booking to take advantage of the special DASIA price with a limited number of rooms available until 30th of March. Later bookings will be at the normal Novotel prices.

DASIA 2020 Scope
DASIA is about data systems, and in this context the presentation of achievements, new ideas and proposed projects, about related questions and answers, exchange of ideas, and business. It embraces technical and managerial aspects of development, operation and maintenance of data-handling related components and systems. It encompasses hardware and software for space and aircraft systems or systems for other sectors sharing similar complexity and requirements for high reliability. Cross-domain topics and participation have a high priority at DASIA, with other domains including e.g. transport, communications, navigation, energy, remote sensing, robotics, and automation. A listing of example conference topics is appended to this invitation.

DASIA 2020 Format and Procedures
Participation to DASIA may take several forms

- Presentation of papers of 30 min. duration incl. Q&A in sessions with 3 related presentations. There are two parallel tracks. The sessions are composed according to the topics of selected papers from this open Call for Presentation Abstracts with a deadline of 31st of January 2020. Presenters will early March be informed about the selection result and the position of the presentation(s) in the program. The final program will be available at Eurospace.org shortly thereafter. The abstracts must contain name and contact info of author(s) and presenter(s) and any conditions related to the presentation of the paper(s). Abstracts and preferably also final papers and/or the presentations will be available in the Eurospace web-archive after the conference. The archive will be open to all participants with a password that may be passed further on by any of the participants and Eurospace.
– **Keynote presentations by invited presentors**, including presentations at the conference opening Tuesday morning

– An **Open Panel session** Wednesday afternoon in the format first time executed in Oxford at DASIA 2018. Theme introduction and viewpoint presentations by panellists are here limited to few presentations of less than 10 min. duration thus allowing for discussions involving panel partipants and audience. **Suggestions for the Open Panel topics are invited, preferably before 31st of January 2020. AI has already been proposed.**

– **Exhibiting** products and services. Space is available for many exhibitor-stands next to the paper presentation rooms and the coffee break area. Exhibitors are announced in the program and on displays at the conference.

**DASIA 2020 Location**

The DASIA standard is each year to look for and select a new conference site and conference facility in Europe. The process starts during the preparation for and execution of the previous DASIA conference and sometimes ends up with a different result than expected at the start of the proces. This is the case for DASIA 2020.

The selected conference site shall preferably offer several choices with a one-stop complete solution as follows: Easy and affordable acces from most other parts of Europe, conference room facilities for double track presentations and company exhibitions, restaurant facilities, hotel rooms at an affordable price, fitness and spa facilities, placement close to other (incl. cheaper) hotels, an attractive touristic setting, and availability Tuesday, Wednesday and Thursday between Ascension day and Pentecote, thus allowing for holiday activities and family participation.

Finally, the selected facility should offer a price allowing to keep or only slightly increase the conference participation fee of the previous year.

**Bucharest and the hotel Novotel Bucharest City Center provides the required package.**

**The participation fees are the same as last year.**

**DASIA 2020 Fees and Communication**

The participation fee including the conference dinner and entertainment wednesday evening is 940 €.

The fee for one exhibition stand plus the participation to the conference of one person is 2500 €. The approximate size of a stand is 2 by 2 meters.

All communication, including presentation abstracts and requests for exhibition stands, has to be forwarded to Nathalie Alecton at dasia@eurospace.org
Examples of DASIA 2020 Conference Themes

Development and integration issues
Software Engineering: Lifecycle Phases
Methods and Tools: Requirements, design, coding, integration and test
Case Tools
Coding Languages
Design Methods
Prototyping
In circuit testing
Simulation
Reverse Engineering
Process Modeling
ASIC design methods and tools
CAD
Reuse
COTS/OTS
Checkout

Architectures, subsystems, components and related themes
Real time aspects and Runtime Kernels
Data Handling Systems / Architectures: Processors, Bus systems, memories, etc.
Performance
Reliability
Security
Distribution
Autonomy
High Speed, high performance support
Fault Tolerance System
Communication facilities
Command and Telemetry facilities
AOCS, sensors, propulsion systems
Launchers

Applications and Operations
Satellite Operations
On-board and On-Ground segments for Satellite and Manned Space Systems
Small Satellites, Micro-satellites and Constellations
Guidance, Navigation and Control
Image and Signal Processing
Earth Observation/Remote Sensing/GIS
Remote sensing application: Meteorology, forestry, agriculture, etc.
Robotics and AI
Communications
Energy
Defence
Transportation: Trains, ships, aircraft
Marine and submarine applications
Traffic