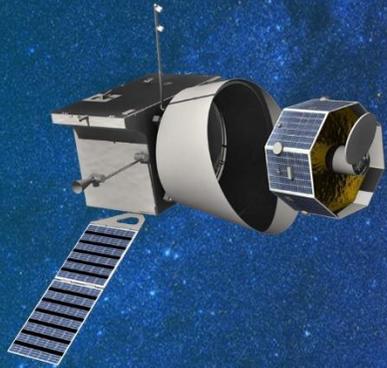


SpaceWire and SpaceFibre 2020



9th International SpaceWire
and SpaceFibre Conference
Palazzo dei Congressi, Pisa, Italy
21st to 24th September 2020

Luca Fanucci (University of Pisa)
Steve Parkes (STAR-Dundee, Ltd.)
Felix Siegle (European Space Agency)



Abstracts are being invited for the ninth SpaceWire & SpaceFibre Conference to be held in Pisa, Italy.

SpaceWire is the de facto standard for spacecraft on-board data-handling networks which is simple to implement and is being deployed on more than 100 space missions. SpaceFibre is the next generation of SpaceWire technology which runs over electrical or fibre-optic cables and which provides very high data-rates, integrated quality of service and fault detection, isolation and recovery capabilities. The SpaceFibre standard was published by ECSS in May 2019. The International SpaceWire Conference aims to bring together product designers, hardware engineers, software engineers, system developers and mission specialists interested in and working with SpaceWire or SpaceFibre to share the latest ideas and developments. The conference is for both academics and industrialists. There will also be an industrial exhibition featuring the major international suppliers of SpaceWire and SpaceFibre technologies. The conference starts on Monday 21st with a tutorial session on SpaceFibre. The technical sessions run from Tuesday 22nd to Thursday 24th. There is an optional excursion on Friday 25th.

Technical Sessions:

Missions and Applications, which covers missions using SpaceWire and SpaceFibre, how they have been used on existing or planned spacecraft and other applications of these technologies.

Test and Verification, which covers the test and verification of SpaceWire and SpaceFibre components, equipment and systems including FPGA/ASIC validation techniques, cable/connector testing and approaches to system level test.

Networks and Protocols, which covers network architectures, configuration, discovery and “plug and play” concepts, higher-level protocols for SpaceWire and SpaceFibre and related software designs and issues.

On-board Equipment and Software, which covers products supporting the SpaceWire and SpaceFibre Standards including on-board equipment, instruments and related on-board software.

Components, which covers devices supporting the SpaceWire and SpaceFibre Standards such as sensor devices, electronic components, ASICs & FPGAs, cables and connectors.

Standardisation, which covers the SpaceWire and SpaceFibre Standards, new protocols being prepared for standardisations and candidates for future standardisation.

Abstract Submittal and Guidelines

The deadline for abstract submission is 6th April 2020. Papers for both long and short presentations are solicited. Long papers should contain substantial new technical information while shorter papers may include reviews of SpaceWire equipment, systems and missions. Abstracts should be approximately 500 words in length and must include full contact information (company/ organisation, address and email) for the corresponding author and any co-authors. Please also indicate whether the final paper will be a long (6-8 pages) or short (3-4 pages) paper and which session it should be considered for. Please refer to the “Technical Sessions” section for details. Following review by the Conference Technical Committee, authors will be notified by email whether their abstract has been accepted. Authors can expect to be notified by 8th June 2020. After selection, the completed paper is required to be submitted by 20th July 2020.

A link to abstract templates in both Word and LaTeX format, as well as guidelines on how to submit abstracts will be available from the conference website. Please note that abstracts should be submitted as a PDF file.

Submission Deadlines

Abstract deadline – 6th April 2020

Acceptance notification – 8th June 2020

Full paper submission – 20th July 2020

IEEE

The proceedings will be published on IEEE Xplore.

Other Information:

Fees and Payment Information

Fees and payment options will be detailed on the conference website.

Accommodation

Details of the possible hotels will be available from the conference website.

Information for Exhibitors

Space will be available for industrial partners and other organisations who wish to exhibit at the conference. The exhibitor's fee will include full conference attendance for two people. Coffee breaks will be held in the exhibition foyer in order to maximise interaction between delegates and exhibitors. Early expression of interest in exhibition space is recommended.

Chairpersons/Organisers

Luca Fanucci (University of Pisa)

Steve Parkes (STAR-Dundee, Ltd.)

Felix Siegle (European Space Agency)

Organisers

Carole Carrie (STAR-Dundee, Ltd.)

Pietro Nannipieri (University of Pisa)

Camilla Giunti (Ingeniars)