International SpaceWire Conference 2007
17-19 September 2007

West Park Conference Centre • 319 Perth Road • Dundee • DD2 1NN • Scotland • UK
www.spacewire.computing.dundee.ac.uk

Call for Papers

SpaceWire is a leading data-handling network for use onboard spacecraft. It is simple to implement and use, and is being deployed on many space missions.

The International SpaceWire Conference aims to bring together SpaceWire product designers, hardware engineers, software engineers, system developers and mission specialists interested in and working with SpaceWire to share the latest ideas and developments related to SpaceWire technology. The conference is targeted at the full SpaceWire community including both academics and industrialists.

Abstracts are being invited for the first International SpaceWire Conference to be held in Dundee, Scotland.

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Abstract deadline	**8th June 2007**
Paper acceptance notification	**10th July 2007**
Early registration and accommodation booking deadline	**3rd August 2007**
Full paper submission	**1st September 2007**
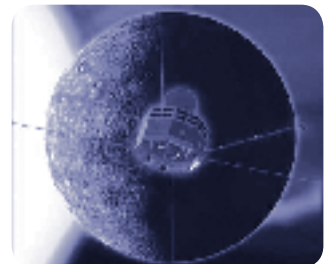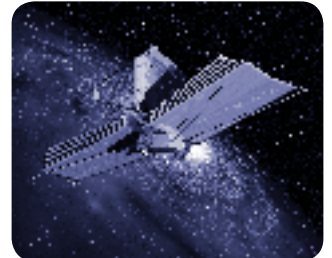
Technical Sessions

Sessions are dedicated to the following topics:

- **SpaceWire missions and applications**, which covers missions using SpaceWire, how SpaceWire has been used on existing or planned spacecraft and other applications of SpaceWire.
- **SpaceWire components**, which covers devices supporting the SpaceWire Standard such as sensor devices, electronic components, ASICs & FPGAs, cables and connectors.
- **SpaceWire onboard equipment and software**, which covers products supporting the SpaceWire Standard including onboard equipment, instruments and related onboard software.
- **SpaceWire test and verification**, which covers the test and verification of SpaceWire components, equipment and systems including FPGA/ASIC validation techniques, cable/connector testing and approaches to system level test.
- **SpaceWire networks and protocols**, which covers network architectures, configuration, discovery and "plug and play" concepts, higher-level protocols for SpaceWire and related software designs and issues.
- **SpaceWire standardisation**, which covers the SpaceWire standard, new protocols being prepared for standardisations and candidates for future standardisation.
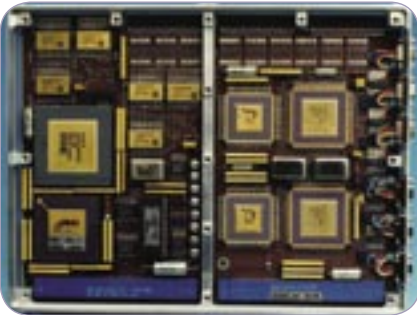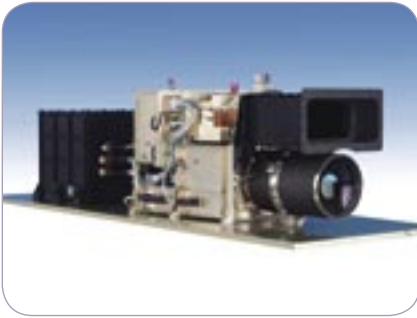
There will also be an industrial exhibition featuring the major international suppliers of SpaceWire technology.
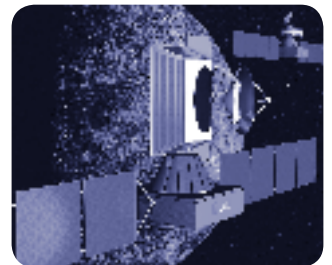
Sponsors

The International SpaceWire Conference is sponsored by:

Preliminary Programme

SESSIONS	TIME
Monday	
Registration open from 12:00 noon	
Conference aims and logistics	13:00-13:30
Keynote speech	13:30-14:00
1. SpaceWire Missions and Applications	14:00-15:00
Coffee and Industrial Exhibitions	15:00-15:45
2. SpaceWire Onboard Equipment and Software	
SpaceWire Missions and Applications	15:45-17:00
Icebreaker at Discovery Point	17:00-20:00
Tuesday	
3. SpaceWire Components	09:00-10:30
Coffee and Industrial Exhibitions	10:30-11:00
4. SpaceWire Networks	11:00-13:00
Lunch	13:00-14:00
5. SpaceWire Components and Networks	14:00-15:30
Industrial Exhibitions	15:30-16:30
6. SpaceWire Standardisation	16:30-18:30
Conference Gala Dinner	
	18:30-24:00
Wednesday	
7. SpaceWire Test and Verification	09:00-10:30
Coffee and Industrial Exhibitions	10:30-11:30
8. SpaceWire Onboard Equipment and Software	11:30-13:00
Lunch	

Submittal Procedure and Guidelines

Authors are invited to submit their abstracts by email to
spacewire@computing.dundee.ac.uk.

Abstracts should be approximately 250 words in length and should be submitted as a pdf file. The deadline for abstract submission is 8th June 2007. 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. 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 10th July 2007. An abstract template in Word can be found on the conference website. Abstracts must include full contact information (address and email) for the corresponding author and any co-authors. The author should also state whether the paper is to be considered for long or short presentation. After selection the completed paper (6-8 pages long paper or 3-4 pages short paper) is required to be submitted by 1st September.

Proceedings

The conference proceedings will be published by ESA. Electronic copies of the papers will be available at the conference.

Logistics

Some complementary coaches will be provided from Edinburgh airport for people arriving on Saturday, Sunday or Monday and leaving on Wednesday, times to be arranged.

Wireless network access will be provided during the conference.

Fees

Delegates	£300 per person (£400 after 3rd August)
Students	£150 per person (£250 after 3rd August)
Exhibitors	£1500
Companion Gala dinner	£50 per person

Delegate, student and exhibitor fees cover full attendance at conference sessions, lunch on Tuesday and Wednesday and coffee/tea/biscuits for all three days and participation in social events (with the exception of the Castle tour on Sunday 16 September).

Exhibitors' Information

Exhibitors will receive a 3 m x 3 m (approx) space with a table and two chairs and a poster board to mount graphics, along with a company name sign. Coffee breaks will be held in the exhibitor room in order to maximise interaction between delegates and exhibitors. The exhibitor's fee includes full conference attendance for one person

Payment Information

Payment options will be detailed on the Conference website. There will also be an online facility for reserving accommodation and selecting social activities.

Accommodation

Details about selected conference hotels will be available from the conference website **www.spacewire.computing.dundee.ac.uk**
or by emailing **spacewire@computing.dundee.ac.uk**

Social Programme *Discovering Scotland*
Networking and social activities include:

Sunday 16th September

For early arrivals, a tour will be offered of Glamis Castle (home to the late Queen Mother and Shakespeare's Macbeth), Fettercairn distillery (birthplace of a wonderful whisky) and Dunottar Castle (a fantastic, ancient ruined castle perched on a rock overlooking the sea). This will be a full day tour 9:00 am to 6:45 pm. Companions are welcome. Cost £37 per person including light lunch and entry to all attractions.

Monday 17th September

Icebreaker event at Discovery Point, including civic reception and tour of Scott of the Antarctic's ship *Discovery*.

Tuesday 18 September

Gala dinner at Guthrie Castle with Scottish Entertainment.
Companions are welcome to attend the Gala dinner.

Conference Committee

Chairperson

Steve Parkes, University of Dundee, Scotland, UK.

Agency and Institution Representatives

ESA	Philippe Armbruster
NASA	Glenn Rakow
JAXA	Tadayuki Takahashi
BNSC	John Davey
IEEE	Hugh Griffiths

Technical Committee: Responsible for reviewing academic papers

Philippe Armbruster	ESA, The Netherlands
Glenn Rakow	NASA GSFC, USA
Martin Suess	ESA, The Netherlands
Steve Parkes	University of Dundee, Scotland, UK
Tadayuki Takahashi	JAXA, Japan
Yuriy Sheynin	St. Petersburg State University of Aerospace Instrumentation, Russia
Masaharu Nomachi	University of Osaka, Japan
Sandra Dykes	Southwest Research Institute, USA
Rick Schnurr	NASA GSFC, USA
Jim Lux	NASA JPL, USA
Kush Tyagi	Los Alamos National Labs, USA
Kerrin Rees	MSSL, University College London, UK
Stephane Davy	ObsPM, France
Manuel Prieto	Alcala University, Spain
Ben Greene	Astrium Ltd, UK
Bruno Masson	Alcatel Alenia Space, France
Giovanni Saldi	Alcatel Alenia Space, Italy
Olivier Notebaert	Astrium SAS, France
Paul Rastetter	Astrium GmbH, Germany
Torbjorn Hult	Saab Space, Sweden
Gerald Kempf	Austrian Aerospace

Industrial Partners

Atmel, France

Aeroflex, USA

Gaisler Research, Sweden

NEC Toshiba Space Systems Ltd, Japan

Mitsubishi Heavy Industries Ltd, Japan

STAR-Dundee Ltd, UK

4Links, UK

Organising Committee: Responsible for organising the conference, publicity material etc.

Nicole Devarenne	University of Dundee
Karen Tocher	Dundee City Council
Tara Wainwright	University of Dundee
Steve Parkes	University of Dundee
Raffaele Vitulli	ESA, The Netherlands

Spacecraft images courtesy of
ESA, NASA and JAXA.