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Millimetre Wave Days organized by MilliLab: 6th ESA Workshop on Millimetre Wave Technology and Applications and 4th Global Symposium on Millimeter Waves GSMM2011

May 23rd – May 25th, 2011
MilliLab, Espoo, Finland

**FINAL ANNOUNCEMENT AND
CALL FOR PAPERS**

Parallel International Conferences:

6TH ESA WORKSHOP ON MILLIMETRE-WAVE TECHNOLOGY AND APPLICATIONS and 4TH GLOBAL SYMPOSIUM ON MILLIMETER WAVES - GSMM2011

A unique millimetre-wave event of two parallel international conferences will be hosted by MilliLab: The millimetre-wave workshop of the European Space Agency (ESA) focusing mostly on the space applications of millimetre-waves and The Global Symposium on Millimeter Waves (GSMM) which is a joint conference concentrating on the emerging applications of millimetre-waves, especially in telecommunications, organised by NICT (Japan), MINT and KIEES (Korea), Southeast University (China), and MilliLab (Finland).

Topics of ESA Workshop:

1. Remote sensing instruments
2. Instruments for space science and radio astronomy
3. Micromachining and innovative fabrication techniques
4. Novel materials (metamaterials, nanotubes, etc.)
5. Mm-wave technologies for space
6. Sub-mm wave/Terahertz technologies and applications

Topics of GSMM2011:

7. Automotive applications
8. Communication systems and applications
9. Frequency management and utilization
10. Millimetre-wave home link systems
11. Millimetre-wave LANs and PANs
12. Millimetre-wave photonics
13. Wireless access systems

Joint topics:

14. Analytical and numerical modelling
15. Antennas and propagation
16. Device and circuit technologies
17. Millimetre-wave measurements
18. Millimetre-wave MMICs
19. Millimetre-wave systems and sub-systems
20. On-wafer and power measurements
21. Phased array antennas
22. Quasi-optics
23. THz-imaging
24. New frontiers in mm/sub-mm waves integrated dielectric focusing systems (NEWFOCUS)

The aim of the conferences is to bring together people involved in R&D of millimetre-wave components, equipment and systems in the two application fields, and to explore common areas and synergies in the development of millimetre-wave techniques for commercial and scientific applications, both in space and on ground.

Calendar of events:

Abstract (1 page) submission deadline:	February 25th 2011
Authors notification and preliminary programme:	March 11th 2011
Final papers (max 6 pages) submission deadline:	April 8th 2011
Advanced registration deadline:	April 21st 2011
Hotel reservation deadline:	April 29th 2011

Latest info at conference web site:
<http://gsmm2011.tkk.fi>

Paper submission guidelines:

Authors are invited to send one page abstracts on their research and development results in the areas of conference topics. The deadline for the abstracts is February 25th 2011. The authors will be notified of acceptance by March 11th, 2011. Final versions of the accepted papers (max 6 pages) must be prepared and submitted by April 8th 2011 at the latest. Only electronic submissions in pdf-format are accepted. File size is restricted to 10 MB maximum. Detailed instructions and templates for abstract and final paper preparation as well as for electronic submission are available at conference web site (<http://gsmm2011.tkk.fi>). Accepted and presented papers are available in proceedings files loaded in the conference memory stick and in the conference web site after the conferences.

Conference venue:

The conferences will be held in Espoo, Finland on May 23rd-25th 2011. The venue is the Dipoli Building (<http://www.dipoli.hut.fi/english/index.html>), which is located in the campus area of Aalto University, VTT Technical Research Centre of Finland, and MilliLab. This nice seaside campus area is situated in the city of Espoo in Otaniemi, about 10 km from downtown Helsinki and about 30 km from Helsinki Airport.

