

# 11<sup>th</sup> International Workshop on Low Temperature Electronics



7-9 July 2014  
Grenoble, France

Final Call for Papers



[www.wolte2014.org](http://www.wolte2014.org)



## □ Important dates

- 15 April 2014: EXTENSION Deadline for paper submission
- 25 April 2014: Notification of acceptance
- 15 May 2014: Deadline for early registration

## □ General Scope

The International Workshop on Low Temperature Electronics (WOLTE) is a biannual conference devoted to the presentation and exchange of the most recent advances in the field of low temperature electronics and its applications. This international forum is open to everyone in the field.

Topics include, but are not limited to:

- Low-temperature device physics
- Semiconductor and superconductor devices at low temperatures
- Low-temperature detectors and frontend readouts
- Optoelectronics at low temperatures
- Cryogenic MEMS and NEMS and coupling to electronic readouts
- Cryogenic systems
- Cryoelectronics applications
- Packaging and interconnects

## □ Confirmed Invited Speakers

- Duncan Maude, CNRS Toulouse, France *"Quantum Hall Effect and Magneto-transport in semiconductor structures"*
- Johan Rothman, CEA-LETI, France *"HgCdTe Avalanche photodiode: application for Infra-Red detection"*
- David Leadley or Evan Parker, University of Warwick, UK *"New concepts in Infrared bolometry"*
- Matthias Hofherr, Karlsruhe Inst. of Technol., Germany *"Real-time multi-pixel readout of superconducting nanowire single-photon detector arrays"*

## □ Confirmed Tutorials

- Randall Kirschman, Mountain View, USA *"Low-Temperature Electronics."*
- Gianluigi PESSINA, INFN Milano-Bicocca and University of Milano Bicocca *"Electronics for cryogenic detectors for high energy particle physics"*
- Olivier Gravand, CEA-LETI, France *"A wide introduction to quantum IR imaging"*
- Anne-Laure Fontana, IRAM, France *"Low temperature detector for millimeter wave radioastronomy"*

## □ Contributions

An extended abstract (4 pages max) must be submitted on the website **before 15 April (extended deadline)**. A template is available for download at [www.wolte2014.org](http://www.wolte2014.org).

All papers presented at WOLTE will be published in the IEEE Xplore® giving a large audience to the event.

## □ Meeting Schedule

Mon. 7 July	Tutorials
Tues. 8 July	Technical sessions Gala Dinner
Wed. 9 July	Technical sessions

## □ Fees

Early registration until 15 May

	Tutorials only (including lunch & coffee breaks)		Full meeting: WOLTE + Tutorials (including lunch, gala dinner & coffee)			
	Regular	Student	Regular	Reg. IEEE	Student	Stud. IEEE
Early	135 €	110 €	320 €	285 €	220 €	200 €
Late	150 €	120 €	350 €	315 €	250 €	225 €

## □ Organizing Committee

- F. Balestra, IMEP-LAHC/CNRS
- G. Ghibaudo, IMEP-LAHC/CNRS
- J. Jomaah, IMEP-LAHC/Grenoble INP
- L. Montes, IMEP-LAHC/Grenoble INP
- P. Febvre, IMEP-LAHC/Université de Savoie
- F. Guellec, CEA-LETI
- L. Rubaldo, SOFRADIR
- P. Caulier, SINANO Institute
- O. Oria, CNRS/LPN
- A. Cavanna, CNRS/LPN
- Y. Jin, CNRS/LPN

## □ International Advising Committee

- F. Aniel, Univ. Paris-Sud, France
- J.D. Cressler, Georgia Tech., USA
- R. Cristiano, IC CNR Naples, Italy
- G. Ghibaudo, IMEP, France
- Y. Jin, CNRS/LPN, France
- J. Jomaah, MINATEC, France
- R. Kirschman, Mountain View, USA
- B. Leone, ESA Harwell Centre, UK
- P. Merken, IMEC, Belgium
- H.-G. Meyer, IPHT, Germany
- Y. Omura, Kansai Univ., Japan
- M. A. Pavanello, FEI, Brazil
- M. Siegel, Univ. Karlsruhe, Germany

## □ Contact

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