

Workshop 2: Benchmarking of New Beyond CMOS device/design concepts, 13-14 October, Athens, Greece.

Mon, 2011/06/06 - 11:13 — Noemi Baruch, Catalan Institute of Nanotechnology (CIN2-C...)



[1] The report on the 2nd NANO-TEC workshop, written as deliverable for the EC, is now available [here](#) [1].

For the presentations during this workshop follow the menu on the left.



The second NANO-TEC workshop took place at the Hotel Divani Caravel in Athens, Greece from the 12th to the 14th of October, 2011. It has focused on the Benchmarking activity of New Beyond CMOS device/design concepts. Read below to find out about the list of sessions and speakers

Location: [Hotel Divani Caravel](#) [2],
Vassileos Alexandrou Av., 2
Athens

Programme for Wednesday 12 October 2011

20.30 Welcome cocktail and workshop introduction

Clivia M Sotomayor Torres - Catalan Institute of Nanotechnology, Barcelona, Spain, Coordinator of NANOTEC, and
Androula Nassiopoulou - National Centre for Scientific Research "Demokritos", Athens, Greece

Programme for Thursday 13 October 2011

08.30-09.00 Registration

09.00-09.05 Introduction to day 1

Jouni Ahopelto - VTT Technical Research Centre of Finland, and Mart Graef - Technical University of Delft

09.05-10.05 Session 1 – Molecular Electronics

Speaker: Dominique Vuillaume - [CNRS](#) [3], Lille, France (35 minutes)

Discussant: Clivia M Sotomayor Torres - Catalan Institute of Nanotechnology, Barcelona, Spain (5 minutes)

Rapporteur: Jouni Ahopelto - VTT Technical Research Centre of Finland,

Group discussion (20 minutes)

- 10.05-11.05** **Session 2 – MEMS**
Speaker: Lina Sarro - Technical University of Delft, The Netherlands (35 minutes)
Discussant: Piotr Grabiec - Institute of Electron Technology, Warsaw, Poland (5 minutes)
Rapporteur: Danilo de Marchi -Politechnic Univerity of Turin, Italy
Group discussion (20 minutes)
- 11.05-11.30** **Snapshot poster introduction**
Speakers: all attendants presenting a poster, a template for the abstract of a poster can be found [here](#) [4].
- 11.30-12.00** **Coffee Break & Posters**
- 12.00-13.00** **Session 3 – Solid-State Quantum Computing**
Speaker: Jaw-Shen Tsai - NEC &The Riken Institute f. Phys. and Chem. Research, Ibaraki, Japan (35 min.)
Discussant: Wolfgang Porod - University of Notre Dame, IN, U.S.A. (5 minutes)
Rapporteur: Isabelle Ferain, Tyndall National Institute-University College Cork, Ireland
Group discussion (20 minutes)
- 13.00-14.00** **Session 4 – Spintronics**
Speaker: Johan Åkerman - University of Gothenburg & NanoSC, Sweden (35 minutes)
Discussant: Christian Pithan - Forschungszentrum Juelich GmbH, Germany (5 minutes)
Rapporteur: Mart Graef - Technical University of Delft, the Netherlands
Group discussion (20 minutes)
- 14.00-15.20** **Lunch and Networking**
- 15.20-16.20** **Session 5 – Nanowires**
Speaker: Heike Riel - IBM, Zurich, Switzerland (35 minutes)
Discussant: Isabelle Ferain- Tyndall National Institute at University College Cork, Ireland (5 minutes)
Rapporteur: Androula Nassiopoulou - National Centre f. Scientific Research “Demokritos”, Athens, Greece
Group discussion (20 minutes)
- 16.20-17.20** **Session 6 – Memristors**
Speaker: Julie Grollier - Centre National de la Recherche Cientifique-Thales, Palaiseau, France (35minutes)
Discussant: Dag Winkler - Chalmers University of Technology, Gothenburg, Sweden (5 minutes)
Rapporteur: Clivia M Sotomayor Torres - Catalan Institute of Nanotechnology,Barcelona, Spain
Group discussion (20 minutes)
- 17.20-17.50** **Coffee Break & Posters**
- 17.50-18.00** **"Guardian Angels" - a short introduction to the Flagship pilot coordination action**
Speaker:Heike Riel - IBM, Zurich, Switzerl
substituted Adrian Ionescu, École Polytechnique Fédérale de Lausanne, Switzerland
- 18.00-18.10** **"Graphene-CA" - a short introduction to the Flagship pilot coordination action**
Speaker:Jari Kinaret - Chalmers University of Technology, Gothenburg, Sweden
- 18.10-19.10** **Session 7 – Graphene**
Speaker: Jari Kinaret - Chalmers University of Technology, Gothenburg, Sweden (35 minutes)
Discussant: Dimitris Pavlidis - Centre National de la Recherche Cientifique,
IEMN Universite de Lille, France (5 minutes)
Rapporteur: Lars Hedrich - University of Frankfurt, Germany
Group discussion (20 minutes)
- 19.10-19.30** **Wrap-up and conclusion of the day. All rapporteurs (5 minutes each)**
- 20.30** **Workshop Dinner**

Programme for Friday 14 October 2011

- 09.00-10.30** **Panel Discussion on Design**
Chair person: Dan Herr, Semiconductor Research Corporation, Research triangle Park, NC, U.S.A.
Introduction speaker: Diederik Verkest, Interuniversity Microelectronics Center – Leuven, Belgium
Discussants: Paolo Lugli - Technical University of Munich, Germany
Sandip Tiwari - University of Cornell, NY, U.S.A
Lars Hedrich- Johann Wolfgang Goethe-Universität, Frankfurt am Main, Germany
- 10.30-11.30** **Parallel working groups on Molecular Electronics, MEMS, and Solid State Quantum Computing**

Three separate rooms, maximum 15 participants per session, chair persons to be confirmed

11.30-11.50 Coffee Break & Posters

11.50-12.50 Parallel working groups on Spintronics and Nanowires

Three separate rooms, maximum 15 participants per session, chair persons to be confirmed

12.50-13.50 Parallel discussion on Memristors and graphene

Three separate rooms, maximum 15 participants per session, chair persons to be confirmed

13.50-14.20 Conclusions of working groups by rapporteurs (5 minutes each)

14.20 Closing remarks of workshop 2, Next steps and announcement of Workshop 3






Jouni Ahopelto - VTT Technical Research Centre of Finland, and Mart Graef - Technical University of Delft

14.30 Lunch

15.30 Excursion



Download:

-  [Accommodation Booking form Divani Caravel Hotel](#) ^[5]
-  [Programme of the NANO-TEC-Workshop 2](#) ^[6]
-  [Template to submit a poster to workshop 2](#) ^[4]
-  [Booklet of the NANO-TEC-Workshop 2](#) ^[7]
-  [Report on the 2nd NANO-TEC workshop \(a EC deliverable\)](#) ^[1]

NANO-TEC has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 257964

Source URL: <https://www.fp7-nanotec.eu/workshop2>

Links:

- [1] https://www.fp7-nanotec.eu/system/files/ct_project_news/nanotec_deliverable_6.3_final.pdf
- [2] <http://divanicaravel.athenshotels.it/>
- [3] <http://www.cnrs.fr/>
- [4] https://www.fp7-nanotec.eu/system/files/ct_project_news/NANOTEC_abstract_template.doc
- [5] https://www.fp7-nanotec.eu/system/files/ct_project_news/Booking%20Form%20Divani%20Caravel%20-%20NANOTEC%20meeting%20-%202012-14.10.2011.doc
- [6] https://www.fp7-nanotec.eu/system/files/ct_project_news/Workshop%20%20Programme_2011_NB.pdf
- [7] https://www.fp7-nanotec.eu/system/files/ct_project_news/NANOTEC%20wshop2%20booklet.pdf