



6th International SemOI Workshop

"Nanoscaled Semiconductor-on-Insulator Materials,

Sensors and Devices"

26-30 April, 2010, Kyiv, Ukraine



Workshop Objectives

Goal of the Workshop is to debate about the recent developments in nanometer down scaled Semiconductor-on-Insulator (SemOI) systems which are basis blocks for modern high-sensitive sensors in a wide range of applications such as telecommunications, radiation control, biomedical instrumentation, chemical analysis, etc. SemOI is foreseen as a key technology for the integration of high quality and resistant nanoscaled devices and integrated circuits which must operate in harsh environment.

The topics to be covered include:

- Semiconductor-on-Insulator material technology
- Nanoscale CMOS devices and circuits
- New SemOI materials and nanoscaled devices on its basis
- SemOI sensors and new SemOI systems
- Diagnostic techniques for nanoscale SemOI materials and devices
- Technology and economics

Keynote speakers

V.P.Bondarenko (BSUIR, Belarus); M.Bawedin (Univ. of Cambridge, UK); C.Colinge (California State Univ., USA); J.P.Colinge (Tyndall NI, Ireland); D.Flandre (UCL, Belgium); G.Gamble (Queen's Univ., Belfast, UK); F.Gamiz (Granada Univ., Spain); N. Horiguchi (IMEC, Leuven, Belgium); S. Ingebrandt (Univ. Appl. Sci. Kaiserslautern, Germany); D. Leadley (Univ. of Warwick, UK); N.Lukyanchykova (ISP NASU, Ukraine); J.Martino (Univ. of Sao Paulo, Brazil); B.B.Majkusiak (WUT, Warsaw, Poland); A.A.Orlikovsky (IPT RAS, Russia); V.Popov (ISP RAS, Novosibirsk, Russia); J.P.Raskin (UCL, LLN, Belgium); S.Roy (Univ. of Glasgow, UK); U.Schwalke (TU Darmstadt, Germany)

Key dates

Deadline for Abstracts **Feb. 1st 2010**
 Notification to Authors **Feb. 15th 2010**
 Issue Preliminary Programme **Feb. 15th 2010**
 Deadline hotel reservations **Mar. 15th 2010**
 Workshop opens **Apr. 26th 2010**

SECOND ANNOUNCEMENT



1st Ukrainian-French Seminar

"Semiconductor-On-Insulator materials, devices and circuits: physics, technology and diagnostics"

26-29 April, 2010, Kyiv, Ukraine



Objectives of the Seminar

The objective of this Seminar is to gather the leading experts of France and Ukraine in the field of technology, physics and diagnosis of Semiconductor-On-Insulator systems and SOI-based devices and circuits to joint their efforts in development of modern nanoscale devices, high-sensitive sensors, optoelectronic devices and micro-electro-mechanical systems.

The topics to be covered include the following:

- Semiconductor-on-Insulator material technology
- New SemOI materials and devices on its basis
- SemOI sensors and new SemOI systems
- Diagnostic techniques for nanoscale SemOI materials and devices

Keynote speakers

F.Balestra (IMEP-ENSERG, France); G.Ghibaudo (IMEP-LAHC, France); S.Cristoloveanu (CNRS, ENSERG, France); P.Dolffus (CNRS, Univ. of Paris, France); A.A.Druzhinin (Lviv Politechnica, Ukraine); E.Dubois (IEMN-ISEN, Univ. of Lille, France); G.Grenet (CNRS, Univ. of Lyon, France); A.I.Klimovskaya (ISP, Ukraine); I.T.Kogut (PNU, Ukraine); Y.N.Kozyrev (ISC, Ukraine); C.Mazure (SOITEC, France); A.N.Nazarov (ISP, Ukraine); M.Pala (CNRS, IMEP-LAHC, INP, France); T.Poiroux, CEA-LETI, France); T.Rudenko (ISP, Ukraine); M.Sanquer (INAC-CEA Grenoble, France); F.F. Sizov (ISP, Ukraine); V. Skryshevsky (KNU, Ukraine); A.V.Vasin (ISP, Ukraine)

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International Org.

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A.A. Orlikovsky (IPT, Russia)

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6th Int. SemOI Workshop and First Ukrainian-French Seminar

are dedicated to 50th anniversary of foundation of

V.E.Lashkaryov Institute of Semiconductor Physics of

National Academy of Sciences of Ukraine

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Organizers

Institute of Semiconductor Physics, NAS of Ukraine,
National Academy of Sciences of Ukraine,
Centre of international cooperation “Optima”

Sponsors

The Workshop is supported by

- EuroSOI - Thematic Network on SOI Technology, Devices and Circuits;
- National Academy of Sciences of Ukraine;
- NANOSIL Network of Excellence (Silicon-based nanostructures and nanodevices for long term nanoelectronics applications)

The Ukrainian-French Seminar is supported by

- National Academy of Sciences of Ukraine;
- CNRS - French National Center for Scientific Research;

Currency

The currency unit in the Ukraine is the Hryvna (Hr). The exchange rates are (February 2004): 1\$ (US) = 8.0 Hr; 1€ = 11.0 Hr. Numerous currency exchanges are available in Kyiv. Credit cards are not used extensively, however the larger hotels and stores will accept them and Mastercard and Visa seems to be the preferred card. Essentially, there is no limit to the amount of foreign currency and travelers' cheques that can be taken into the Ukraine but it is important to make a declaration at the point of entry into the country (appropriate documents are available in the Airport terminal).

Registration fee

The full registration fee for participants equals €250.

The registration fee includes participation in the scientific sessions, conference kit, abstract book, coffee breaks, social events like, e.g. excursion, banquet, transportation from and to airport/railway station, etc. Registration fee should be paid in cash (Euro or Hrivna) in the day of registration at the Registration desk.

Accommodation

As a service for the participants, the Local Committee will pre-book accommodation in the cultural-recreational center “Dzherelo” for the period from April 25th to April 30th, 2010 (5 nights). Lodging in a double room costs 330 Hr/day for one person, and 220 Hr/day for one person in the case of 2-person residence. The three-time meals cost 250 Hr per day.

TIMETABLE

	Sunday 25	Monday 26	Tuesday 27	Wednesday 28	Thursday 29
Morning	10 ⁰⁰ – 12 ⁰⁰ Registration	9 ⁰⁰ Opening ceremony 9 ³⁰ – 11 ⁰⁰ Ukr.-Fr. Seminar 11 ⁰⁰ – 11 ³⁰ Coffee-break 11 ³⁰ – 13 ⁰⁰ Ukr.-Fr. Seminar	9 ⁰⁰ – 10 ³⁰ Ukr.-Fr. Seminar 10 ³⁰ – 11 ⁰⁰ Coffee-break 11 ⁰⁰ – 13 ⁰⁰ Ukr.-Fr. Seminar	9 ⁰⁰ – 10 ³⁰ Ukr.-Fr. Seminar 10 ³⁰ – 11 ⁰⁰ Coffee-break 11 ⁰⁰ – 13 ⁰⁰ <u>SemOI Workshop</u> Operation of novel SOI devices	9 ⁰⁰ – 10 ⁵⁰ Ukr.-Fr. Seminar <u>SemOI Workshop</u> SOI Sensors and MEMS 10 ⁵⁰ – 11 ²⁰ Coffee-break 11 ²⁰ – 13 ⁰⁰ <u>SemOI Workshop</u> Operation of novel SOI devices
Lunch		13 ⁰⁰ – 14 ³⁰	13 ⁰⁰ – 14 ³⁰	13 ⁰⁰ – 14 ⁰⁰	13 ⁰⁰ – 14 ⁰⁰
Afternoon	14 ⁰⁰ – 20 ⁰⁰ Registration	14 ³⁰ – 16 ⁰⁰ <u>SemOI Workshop</u> SOI material & devices technologies 16 ⁰⁰ – 16 ³⁰ Coffee-break 16 ³⁰ – 18 ¹⁰ SOI material & devices technologies	14 ³⁰ – 16 ²⁰ <u>SemOI Workshop</u> Physics & technology of new SOI devices 16 ²⁰ – 16 ⁵⁰ Coffee-break 16 ⁵⁰ – 18 ²⁰ Physics & theory of new SOI devices	14 ⁰⁰ Excursion	14 ⁰⁰ Excursion with attendance of Institutes of National Academy of Sciences
Evening	20 ⁰⁰ Welcome reception	19 ⁰⁰ Dinner	19 ⁰⁰ Poster session & Buffet	18 ⁰⁰ Banquet	19 ⁰⁰ Dinner

Technical details

The language of the Workshop is English. The length of an invited talk is 25 min. plus 5 min. for discussion. The length of a regular talk is 15 min. plus 5 min. discussion. All speakers are asked to prepare the illustrative material in the form of Power Point presentation (.ppt), or Adobe Acrobat document (.pdf). Laptop computer with multimedia projector will be provided for presentations. The maximum size of poster is 85 cm wide and 105 cm high.