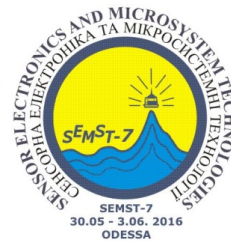




**СЕНСОРА ЕЛЕКТРОНІКА  
ТА МІКРОСИСТЕМНІ ТЕХНОЛОГІЇ**  
**SENSOR ELECTRONICS AND  
MICROSYSTEM TECHNOLOGIES**



*Call for papers*

Ministry of Education and Science of Ukraine, State fond of fundamental research of Ukraine, Department of physics and astronomy of the National academy of sciences of Ukraine, Scientific Council of NASU on the problem "Physics of Semiconductors and Semiconductor Devices", Ukrainian Physical Society, the Academy of sciences of the higher school of Ukraine, V.E. Lashkaryov Institute for Semiconductor Physics of NASU, Odessa I. I. Mechnikov National University, Interdepartmental scientific-educational physics and technical centre of MES and NAS of Ukraine

**Hold**

**7<sup>th</sup> International Scientific and Technical Conference “Sensor Electronics and  
Microsystem Technologies (SEMST-7)”**

**(with the Exhibition of sensor developments and industrial samples)**

**“SEMST-7”, Ukraine, Odessa, May 30 – June 3, 2016**

*The aim of the conference and the exhibition is to review achievements in the field and to discuss modern problems in various branches of Sensorics.*

Chairmen Prof. **V.A. Smyntyna** (Odessa, Ukraine)

Vice-chairmen Prof. **A.D' Amico** (Rome, Italy)

Vice-chairmen NASU corresponding member **A.E. Belyaev** (Kiev, Ukraine)

Vice-chairmen NASU corresponding member **V.G. Litovchenko** (Kiev, Ukraine)

Scientific secretary Prof. **Ya.I. Lepikh** (Odessa, Ukraine)

**Program committee:**

Chairmen of the Program committee Prof. **V.A. Smyntyna**

Blonsky I.V. NASU Cor. Memb. (Kiev, Ukraine)	Kalashnikov A.N. Prof. (Nottingham, United Kingdom)	Sheregiy E. Prof. (Rzeszow, Poland)
Boichuk V.I. Prof. (Drogobych, Ukraine)	Klad'ko V.P. NASU Cor. Memb. (Kiev, Ukraine)	Starodub M.F. Prof. (Kiev, Ukraine)
Brodin M.S. Acad. NASU (Kiev, Ukraine)	Korbutyak D.V. Prof. (Kiev, Ukraine)	Stakhira I.M. Prof. (Lvov, Ukraine)
Challis R. Prof. (Nottingham, United Kingdom)	Kovalenko A.V. Prof. (Dnepropetrovsk, Ukraine)	Strikha M.V. Prof. (Kiev, Ukraine)
Chovelon G.M. Prof. (Cedex, France)	Linyucheva O.V. Prof. (Kiev, Ukraine)	Stroński O.V. Dr.Sc. (Kiev, Ukraine)
Di Natale C. Prof. (Roma, Italy)	Loktev V.M. Acad. NASU (Kiev, Ukraine)	Svechnikov S.V. Acad. NASU (Kiev, Ukraine)
Dmitruk M.L. Prof. (Kiev, Ukraine)	Morante J.R. Prof. (Barcelona, Spain)	Taraschenko D.T. Ph.Dr. (Kiev, Ukraine)
Druzhynin A.O. Prof. (Lvov, Ukraine)	Nakhodkin M.G. Acad. (Kiev, Ukraine)	Tkach M.V. Prof. (Chernivtsy, Ukraine)
El'skaya A.V. Acad. NASU (Kiev, Ukraine)	Neizvestniy I.G. RAS Cor. Memb. (Novosibirsk, Russia)	Tretyak O.V. Acad. APSU (Kiev, Ukraine)
Eryomenko V.V. Acad. NASU (Kharkov, Ukraine)	Prokopenko I.V. Prof. (Kiev, Ukraine)	Verbitskiy V.G. Prof. (Kiev, Ukraine)
Grynyov B.V. Acad. NASU (Kiev, Ukraine)	Ptaschenko O.O. Prof. (Odessa, Ukraine)	Vikulin I.M. Prof. (Odessa, Ukraine)
Hartnagel H.L. Prof. (Darmstadt, Germany)	Riabchenko S.M. NASU Cor. Memb. (Kiev, Ukraine)	Yakimenko Yu.I. Acad. (Kiev, Ukraine)
Il'chenko M.Yu. Acad. NASU (Kiev, Ukraine)	Sizov F.F. NASU Cor. Memb. (Kiev, Ukraine)	Yakovenko V.M. Acad. NASU (Kharkov, Ukraine)
Ivasyshin O.M. Acad. NASU (Kiev, Ukraine)	Skrishevskiy V.A. Prof. (Kiev, Ukraine)	Yashchuk V.M. Prof. (Kiev, Ukraine)
Jachowicz R.S. Prof. (Warsaw, Poland)	Slipchenko M.I. Prof. (Kharkov, Ukraine)	Yatsenko L.P. Acad. NASU (Kiev, Ukraine)

### **Organizing committee**

Lepikh Ya.I. – chairman	Bugaiova T.M.	Nitsuk Yu.A.
Borschak V.A. – secretary	Filevskaya L.M.	Novoselova Yu. I.
Balaban A.P.	Karpenko A.O.	Tereschenko A.V.
Britavskii E.V.	Kutalova M.I.	Vaksman Yu.F.
Budiyanskaya L.M.	Lavrenova T.I.	Zatovskaya N.P.

### **The preliminary list of invited speaker**

Belyaev A.E. (Kiev, Ukraine)	Korbutyak D.V. (Kiev, Ukraine)	Smyntyna V.A. (Odessa, Ukraine)
Blonsky I.V. (Kiev, Ukraine)	Lepikh Ya.I. (Odessa, Ukraine)	Stakhira I.M. (Lvov, Ukraine)
Chovelon G.M. (Cedex, France)	Litovchenko V.G. (Kiev, Ukraine)	Strikha M.V. (Kiev, Ukraine)
D’Amico A. (Rome, Italy)	Melnik R. (Waterloo, Kanada)	Starodub M.F. (Kiev, Ukraine)
Dmytruk M.L. (Kiev, Ukraine)	Neizvestnyi I.G. (Novosibirsk, Russia)	Tkach M.V. (Chernivtsi, Ukraine)
Druzhynin A.A. (Lvov, Ukraine)	Sizov F.F. (Kiev, Ukraine)	Tretyak O.V. (Kiev, Ukraine)
El’skaya A.V. (Kiev, Ukraine)	Sheregiy E. (Rzeszow, Poland)	Jachowicz R.S. (Warsaw, Poland)
Gordienko Yu.O. (Kharkov, Ukraine)	Shpilevskiy E.M. (Minsk, Belarus )	Yakimenko Yu.I. (Kiev, Ukraine)
Kalashnikov O.M. (Nottingham United Kingdom)	Skrishevskiy V.A. (Kiev, Ukraine)	Yashchuk V.M. (Kiev, Ukraine)

**Comment.** The list of invited speakers may be extended

### **Tentative key topics:**

1. Physical, chemical and other phenomena, as foundations for sensor developments
2. Sensor design and mathematical modeling
3. Physical sensors
4. Chemical sensors
5. Biosensors
6. Radiation, optical and optoelectronics sensors
7. Acoustoelectronic sensors
8. Nanosensors (physics, materials, technologies)
9. Sensors and information systems
10. Sensor materials
11. Sensor technology problems
12. Microsystems technologies (MST, LIGA-technology and others)
13. Sensor degradation, metrology and certification

**The Book of abstracts will be available at the conference registration.**

### **The requirements to the abstracts**

Abstracts are reviewed. In abstracts the urgency of the problem, the received scientific and technical results and their novelty should be shown.

The one-full-page abstract (two-page for the invited authors only) should be printed in black print on white paper (format A4) and formatted as follows: the left margin 3 cm, others – 2,5cm. The recommended font is “Times New Roman”. Center the title (capital letters, **bold**, 14 pt). One blank line. The authors’ names (normal font, 12pt), their affiliation(s), postal address and e-mail address for the corresponding author (italic, 12 pt). Underline the speaker among the authors. Please mention the corresponding author first. Leave one line blank. The font size for the main text is 12 pt, single interval spacing. Please send your abstracts and pre-registration form for each author on e-mail - semst-7@onu.edu.ua. The preferred equation editor is MS Equation editor, 12 pts font size. The font size for figure captions is 12 pts.

### **Conditions for the publication of theses accepted by the Program committee:**

- conference fee payment (received by the Organizing Committee confirmation with the indication of the participant or the lecturer surname) in the specified in this information term;
- full report (appropriate to the accepted theses).

**No more than two abstracts will be accepted from one author.**

The papers selected by the Program committee may be published in special issue of international scientific journals: “Sensor Electronics and Microsystem Technologies“, "Semicond. Phys. Quant. Electron. Optoelectron.", "Functional materials", "Photoelectronics".

**Conference working languages are Ukrainian, English, Russian**

### **Conference fee:**

Participation in the Conference is subject to the payment of the following Conference fee:

- For participants from Ukraine – 400 UAH (\$ at the rate at date of calculation)
- For participants from CIS – 600 UAH (\$ at the rate at date of calculation)
- For participants from another countries – 1000 UAH (\$ at the rate at date of calculation)
- For accompanying persons – 200 UAH (\$ at the rate at date of calculation)

Conference fee includes VAT at 20%

Postgraduate students receive a 50% discount from the above fees.

Members of the Ukrainian Physical Society receive 10% discount from the above fees.

### **The Exhibition**

Participation in the exhibition is free of charge. The application form for participation in an exhibition must be given till 30.03.16 and should contain the short description of exhibits and conditions necessary for exhibiting.

### **Important dates of the conference:**

Deadline for Registration forms and abstracts.....	<b>30.03.16</b>
The 2-nd announcement	<b>15.04.16</b>
Deadline for full papers.....	<b>20.05.16</b>
Deadline for payment.....	<b>15.05.16</b>
Participant registration and accommodation.....	<b>30.05.16</b>

### **The additional information**

Odessa has direct connection with many cities:

- air traffic: Istanbul, Haifa, Vienna, Warsaw etc.
- the railway service: Berlin, Minsk, Warsaw etc.
- sea transportation: Istanbul, Haifa etc.
- bus traffic: Barcelona, Berlin, Dresden, Lyons, Lissabon, Madrid, Marseilles, Munich, Paris Prague etc.

The participant accommodation is planned in hotels, sanatorium and hostels of the University. It is warm and dry in Odessa at the time of the conference, the average air temperature is 23-27<sup>0</sup>C. Beaches and recreation facilities are available at the seashore. Within the framework of the cultural program participants will be able to acquaint themselves with outstanding sights, monuments and museums of Odessa, and participate in a see trip and the other.

### **Conference Sponsors and organizational support**

**Sponsors from Ukraine and abroad are invited for financial support of the Conference. The sponsors will be acknowledged in a special way (by their request - with a trade mark or logotype) in information materials intended for distribution in many countries and specified on a conference site.**

**Please submit your proposals to the Conference Organizing Committee.**

Address for correspondence:

ISEPTC, Organizing committee "SEMST-7",  
Odessa I. I. Mechnikov National University,  
2, Dvoryanskaya str., Odessa, 65082, Ukraine,  
Phone/fax 38 (048)-723-34-61, Lepikh Yaroslav Illich  
E-mail: semst-7@onu.edu.ua, ndl\_lepikh@onu.edu.ua

**In addition:** the conference information is on

**web-site:** <http://www.semst.onu.edu.ua/semst-7/>