

**2007 17th International Conference
«Microwave & Telecommunication Technology»
10-14 September 2007
Sevastopol, Crimea, Ukraine
<http://www.crimico.org>
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C O N F E R E N C E P R O G R A M



2007

Organized and Sponsored by:

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Belarus State University of Informatics and Radioelectronics (Minsk)
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News agency «BELTA» (Minsk, Belarus)
Education Portal (Kiev, Ukraine)
«Technology & Designing in Electronic Equipment» Magazine (Odessa, Ukraine)
COST Action/Network 284 on «Innovative Antennas for Emerging Terrestrial & Space-based Applications»
IEEE ED Society
IEEE MTT/ED Central Chapter, Ukraine Section
IEEE AP Chapter, Russia Section

FOREWORD

The Program Committee has selected and included 389 claimed papers into the program of the conference at the sessions, which took place in Kiev (Ukraine) on 1 June, 2007. During the four working days of this year's conference the papers covering different topics, such as: Microcircuit Modules & Microwave Amplifiers; Semiconductor Devices & Microwave IC's; Solid State Devices CAD/CAM; Common Problems of Vacuum Microwave Electronics; O-type Microwave Devices; M-Type Microwave Devices & Gyrodevices; Wire-less Access Networks; Wireless Systems; Satellite Communication & Digital TV; Telecommunication Networks Dataware; Antenna Arrays; Antennas & SHF Devices; Controlled & Superwide-band Passive Components; Uncontrolled Passive Components; SHF-Devices Materials & Technology; Nanoelectronics & Nanotechnology; Intensive EM Field Sources; EM and Radiation Resistance of Materials & Electronic Component Base; Radiocircuits Measurement; Radiosignals & Materials Measurement; Radio-Wave Gages for Materials; Objects and Engineering Processes Measuring; Medical & Ecological Applications; Radio-astronomy & Atmosphere Research; Radars And Remote Sensing; SHF-Photonics Elements and Applications; Telecommunication Specialists Training will be presented at the three plenary and 31 technical sessions by scientists and specialists from 175 universities and companies of Belarus, Germany, Kazakhstan, Moldova, Netherlands, Russia, USA, Ukraine, Finland, France, Switzerland and Sweden.

Since 2001, the leading scientific libraries of the CIS countries get 20 copies of CriMiCo proceedings for free (Belarus, Moldova and Russia – CDs; Ukraine – books and CDs). Some part of the edition (books and CDs) is sent to the leading foreign libraries.

Since 2005, CriMiCo Organizing Committee has instituted prizes for young scientists and post-graduates for the best papers presented at the Conference.

Organizing Committee would like to express its gratitude to all the delegates who deemed it possible to share the practical results of their work with others. We hope that the Crimean autumn season will make for holding of the Conference, as it always was: the sea is warm enough and the weather is not so hot!

Organizing Committee is glad to welcome the delegates whose papers have been included into the program of the Conference, as well as everyone who would be interested in CriMiCo'2007!

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GENERAL INFORMATION

VENUE

The Conference will be held between 10 and 14 September, 2007 at the Sevastopol National Technical University.

CONFERENCE SCHEDULE

(local time)

September 9	7.00 a.m. - 5.00 p.m.	Registration and accommodation
September 10	7.00 a.m. - 8.45 a.m. 9.00 a.m. - 10.30 a.m. 10.30 a.m. - 10.45 a.m. 11.00 a.m. - 6.00 p.m.	Delegates registration Opening Session. 1 st Plenary Session Photographing Technical Sessions
September 11	8.30 a.m. - 6.00 p.m. 7.00 p.m. - 11.00 p.m.	Technical Sessions Banquet (hotel «Zhemchuzhina»)
September 12		Excursions
September 13	8.30 a.m. - 10.30 a.m. 11.00 a.m. – 1.00 p.m.	2 nd Plenary Session 3 rd Plenary Session
September 14	9.00 a.m. – 1.00 p.m. 2.00 p.m. – 3.00 p.m.	Technical Sessions 4 th Plenary Session. Presentation of Organizing Committee Prizes. Closing Session

REGISTRATION

Delegates of the Conference and Workshops will be registered:

- on Sunday, September 9, from 7.00 a.m. to 5.00 p.m. in the vestibule of hotel «Zhemchuzhina». Organizing Committee offers its services in transporting the delegates from the railway station to hotel «Zhemchuzhina». Departure from the railway station square at 6.45 a.m., 8.00 a.m., 11.15 a.m., 1.30 p.m. and 4.00 p.m.

- on Monday, September 11, from 7.00 a.m. to 8.45 a.m. in the vestibule of SevNTU main building (Studgorodok).

Delegates are requested to produce papers confirming their registration fee payments.

ARRANGEMENTS & COSTS

Participants

Registration fee includes: Invitation for visa, Conference Proceedings, Interpreter service, Banquet, Excursion related to the subject of the Conference.

Paid before July 31: \$275 (\$220 for IEEE members)

Paid after July 31: \$300 (\$240 for IEEE members)

Accompanying persons

Invitation for visa, Interpreter service, Banquet, Excursion

Paid before July 20: \$100

Paid after July 20: \$110

Please, pay at:

BENEFICIARY:
ACCOUNT 021-26008257
Weber Co., Sevastopol, Ukraine

BENEFICIARY'S BANK:
JS POSTAL PENSIONARY BANK AVAL
Kiev, Ukraine
S.W.I.F.T.: AVAL UA UK SEV
In favour of SEVASTOPOL BRANCH

CORRESPONDENT BANK:
COR. ACC. N 04-400-503
with DEUTSCHE BANK
TRUST COMPANY AMERICAS
New York, USA
S.W.I.F.T.: BKTR US 33

Please, indicate the purpose of payment:
Registration payment, CriMiCo'2007

Please, enter the data of payment into applied registration form and send it
via e-mail: crimico.fin@gmail.com

OBTAINING UKRAINIAN VISA

In most cases, in order to visit Crimea you will need Ukrainian visa. Please, fill in the following Questionnaire for yourself and all accompanying persons and forward it to the Conference Chairman Dr. Pavel P. Yermolov via e-mail. The Organizing Committee will issue and send you the Official Invitation Letter for obtaining Ukrainian Visa via e-mail. In order to get your visa, submit that Letter to the Ukrainian Embassy or Consulate in your country. Please make sure you apply well in advance.

Questionnaire (please fill in a Questionnaire for each of the accompanying persons also):

First name(s)*:	E-mail:
Middle name*:	Citizenship:
Surname*:	Country & town where you'll get visa:
Date of birth:	Passport number*:
Country:	Number of accompanying persons:
Company (full name):	Passport is valid until:
Position:	When passport was given:
Company address:	By Whom passport was given:
Male/Female:	Registration fee \$... will be paid by transfer
Phone:	to the bank account on ... June (July,
Fax:	August)

* - transcription here should be identical to the one in the passport!

Official invitation letter for Ukrainian visa will be sent only after receiving your e-mail letter of inquiry before August 15.

TRANSPORTATION

The Organizing Committee offers its services in transporting the delegates on September, 9 from Simferopol Airport (80 km from Sevastopol) to Sevastopol by taxi, as well as return transportation on September, 15. Representatives of the Organizing Committee will meet you at the airport and accompany to the hotel. Taxi fare is approx. USD50 one way. You should inform the Organizing Committee about your arrival via e-mail, advising of your name and name(s) of the accompanying person(s). It would be better, if you take the flight PS408 Frankfurt – Simferopol on 8 September, which leaves Frankfurt at 11:10 a.m. and arrives to Simferopol at 3:15 p.m. and flight PS409 Simferopol – Frankfurt on 15 September, which leaves Simferopol at 4:35 p.m. and arrives to Frankfurt at 6:50 p.m. In case of necessity, car transportation from hotel to the airport can be provided after the conference.

HOTEL ACCOMMODATION

The Conference delegates are entitled to accommodation in hotel «Delfin». The hotel room categories are from 440 to 690 grivnya (grn) per night. Rate of grivnya exchange is about 5.05 grivnyas (grn) for \$1 and 6.96 grivnyas (grn) for €1.

Prices for accommodation (grn per night) in hotel «Delfin»

Room, category	Price per night, grn.
Single – Double, 1 room	440
Single – Double, 2 room	690

SOCIALS

Conference participants will be offered a cultural program. On 9 September (the day of registration) you can take part in the excursion and learn about history, sights and cultural life of the Crimea. The excursion will be conducted by «RAMUT-SEVASTOPOL-TUR» tour agency, whose representative will attend at the registration. 12 September is the day of excursion related to the subject of the Conference. It has become usual for participants of the last year CriMiCo conferences. That's why those people who come at the Conference for the first time show great interest to it. The trip lies through Katsiveli, where Crimean Astrophysical Observatory is situated. There will be an opportunity to see radio-telescope RT-22 and some other equipment. Wine-testing at Massandra Wine Works will close the excursion.

Please, fill in the registration form at www.crimico.org regarding accommodation and send it via e-mail: crimico.accomodation@gmail.com. IT IS OBLIGATORY!

The deadline for CriMiCo'2007 registration forms submission is 25 AUGUST!!!

CriMoCo'2007 Registration Form
please, send the form to crimico.accomodation@gmail.com
BEFORE 25 AUGUST!!!

First name:

Middle name:

Surname:

Country:

Company (full name):

Registration fee \$... will be paid by transfer to the bank
account on ... June (July, August)

ACCOMMODATION

Hotel «Delfin»

Room, price per night 440 grn *

Room, price per night 690 grn *

DURATION OF STAY (save * where needed)

8/9 September *

9/10 September *

10/11 September *

11/12 September *

12/13 September *

13/14 September *

14/15 September *

15/16 September *

Please find the registration form at: www.crimico.org

MONDAY, SEPTEMBER 10

	Aud. 420	Aud. 418	FESTO	Library aud. 304	Library aud. 310	Library aud. 206
9.00-10.30	1 st PLENARY SESSION	Welcome address. INV.1: M. Ye. Ilchenko and authors (369)				
10.30-10.45	PHOTOGRAPHING					
10.45-11.00	COFFEE BREAK					
11.00-13.00			1/1. Microcircuit Modules & Microwave Amplifiers	INV.10 2/1. Common Problems of Vacuum Microwave Electronics	3/1. Wireless Access Networks	5a/1. SHF-Devices Materials & Technology I
13.00-14.00	LUNCH TIME					
14.00-16.00			1/2. Semiconductor Devices & Microwave IC	INV.11 2/2. O-Type Microwave Devices	3/2. Wireless Systems	5a/2. SHF-Devices Materials & Technology II
16.00-16.15	COFFEE BREAK					
16.15-18.00			1a. Solid State Devices CAD/CAM	2/3. M-Type Microwave Devices & Gyro-devices	3/3. Satellite Communication & Digital TV	8. Radio-Wave Gages for Materials, Objects...

TUESDAY, SEPTEMBER 11

	Aud. 420	Aud. 418	FESTO	Library aud. 304	Library aud. 310	Library aud. 206
8.30-10.30			4/1. Antenna Arrays	6/1. Intensive EM Field Sources I	3/4. Telecommunication Networks Dataware I	7/1. Radiocircuits Measurement
10.30-10.45	COFFEE BREAK					
10.45-12.45			INV.12 4/2. Antennas & SHF Devices	6/2. Intensive EM Field Sources II	3/5. Telecommunication Networks Dataware II	7/2. Radiosignals & Materials Measurement
12.45-13.45	LUNCH TIME					
13.45-15.45			W1. SHF-Photonics Elements and Applications	6a. EM and Radiation Resistance of Materials ...	5/1. Controlled & Superwideband Passive Components	8a/1. Medical & Ecological Applications I
15.45-16.00	COFFEE BREAK					
16.00-18.00			«Beta TV com» Session	5b. Nanoelectronics & Nanotechnology	5/2. Uncontrolled Passive Components	8a/2. Medical & Ecological Applications II

WEDNESDAY, SEPTEMBER 12

EXCURSION DAY

THURSDAY, SEPTEMBER 13

	Aud. 420	Aud. 418	FESTO	Library aud. 304	Library aud. 310	Library aud. 206
8.30-10.30		2 nd PLENARY SESSION	INV.2: Ye. I. Nefyodov (221) INV.3: Ye. A. Shtager (200) INV.4: V. V. Pustovoytenko and authors (317) INV.5: A. A. Potapov (096)			
10.30-11.00	COFFEE BREAK					
11.00-13.00		3 rd PLENARY SESSION	INV.6: A. K. Lyashchenko (035) INV.7: A. B. Gapeyev and authors (128, 130) INV.8: O. V. Betsky (368) INV.9: P. P. Yermolov (225)			

FRIDAY, SEPTEMBER 14

	Aud. 420	Aud. 418	FESTO	Library aud. 304	Library aud. 310	Library aud. 206
9.00-10.45				9/1. Radio- astronomy & Atmosphere Research	W2. Telecom- munication Specialists Training	
10.45-11.00	COFFEE BREAK					
11.00-13.00				9/2. Radars and Remote Sensing		
13.00-14.00	LUNCH TIME					
14.00-15.00	4 th PLENARY SESSION	Presentation of Organizing Committee Prizes. Closing Session				