

SYMPOSIUM CHAIRMAN

Andrei MARINESCU- ICMET CRAIOVA

STEERING COMMITTEE

| | |
|--|--|
| A. BĂICUȘI C. CEPIȘCĂ | C.N. Transelectrica S.A. POLITEHNICA University- Bucharest |
| S. COATU | POLITEHNICA University- Bucharest |
| M. COSTEA | POLITEHNICA University- Bucharest CNR-CIGRE |
| D. CRISTESCU C. DIACONU A. MARINESCU I. NEDELCU P. PENCIOIU S. PISPIRIS Anca POPESCU M.O. POPESCU | C.N. Transelectrica S.A. ICMET Craiova SC Teletrans SA - Bucharest ICPE Bucharest C.N. Transelectrica S.A. ISPE Bucharest POLITEHNICA University- Bucharest ST Bucharest CER CCI Bucharest SC Teletrans SA -Bacău |
| A. RUSU Fl. Th. TĂNĂSESCU N. VASILE I. VIZITEU | |

ORGANISING COMMITTEE

| | |
|-------------------|---------------|
| M. DUJĂ | ICMET Craiova |
| A. MARINESCU | ICMET Craiova |
| D. POPA | ICMET Craiova |
| P. PISTOL | ICMET Craiova |
| A. RUSU | ST București |
| D. DUMITRESCU | ST București |
| V. POPOVICI | ST București |
| Elvira CĂLIN | ICMET Craiova |
| Adriana MARINESCU | ICMET Craiova |
| Elena POPESCU | ICMET Craiova |
| Daniela POPESCU | ICMET Craiova |
| Viorica VOICU | ICMET Craiova |
| Sonia CĂLINESCU | ICMET Craiova |
| Hermina DELIU | ICMET Craiova |

IMPORTANT DATA

| | |
|--|---|
| March 5, 2009 | Participants registration and extended abstract submission |
| March 15, 2009 April 10, 2009 | Acceptance notification Paper submission |
| May 6-8, 2009 | Symposium |

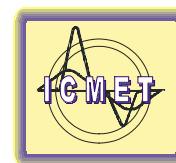
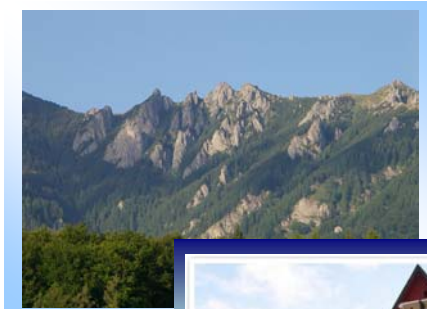
Mail Address

National Research Development and Testing
Institute for Electrical Engineering –ICMET
Craiova

Str. Calea Bucuresști, Nr. 144
200515, Craiova, Jud Dolj, România

Telephone: + 40 351 404 888, 351 404 889
Fax: + 40 351 404 890, 251 415 482
E-mail: market@icmet.ro; icmet@icmet.ro
Web: www.icmet.ro/symposium_cheia.htm

Contact persons:
Prof. Dr. Eng. Andrei Marinescu 0744 781 025
Eng. Elvira Călin 0770 871 281



**NATIONAL RESEARCH DEVELOPMENT
AND TESTING INSTITUTE FOR
ELECTRICAL ENGINEERING
ICMET Craiova**

In cooperation with

**Ministry of
Education, Research
and Innovation**



Ministry of Economy



First National Symposium

**Application of Optoelectronic
Measuring and Monitoring Methods
in Romanian Power Grid**

6 – 8 May 2009

Cheia, Romania

First Announcement

We are glad to invite you to the scientific event organised at Cheia, Cheia Hotel, Prahova District, by ICMET Craiova in cooperation with the Ministry of Education, Research and Innovation, Ministry of Economy, TRANSELECTRICA, CNR - CIGRE - SC D1, Teletrans, CER, OMEPA, ACER, UPB, ISPE.

OBJECTIVES

By means of this Symposium hold under the auspices of CIGRE – SC D1, the organisers aim at presenting, under the form of tutorials, scientific papers and posters, contributions regarding:

- Recent progresses in the development and application of modern optoelectronic measuring methods in the electric power transport and distribution networks all over the world and in Romania;
- Present stage and prospects of optoelectronic methods application in Romania considering that a fiber optics infrastructure already exists in Romania.

The scientific event will gather together representatives of the academic and industrial research from Romania and from abroad, private small and medium enterprises, electric power transport and distribution networks, professional associations, ministries and state institutions for a constructive exchange of information and experience and will identify the applicability conditions as well as the cooperation and research-development topics in the next period.

TOPICS

- CIGRE role in optoelectronic technology application;
- Measurement and monitoring in Romanian power grid and substations by using the existing fiber optics infrastructure;
- Evolution of classical and nonconventional instrument transformer manufacturing for electric substations with a view to improving the measurement accuracy (new series of standards IEC 61869);
- Application of the new series of standards IEC 61850: Communications networks and systems in electric substations;
- Measurement function integration in the line equipment;
- Optical and hybrid sensors for current and voltage measurement at high potential;
- Optical and hybrid sensors for nonelectrical quantities measurement: forces, pressures, temperatures, deformations etc.;
- Optical sensors for the thermal and dielectric condition monitoring of the electric power transmission lines and electric substations equipment.

PAPER SUBMISSION

The authors will send an extended abstract (400-500 words – one A4 format), up to **March 5, 2009**. (E-mail: market@icmet.ro; icmet@icmet.ro)

Acceptance notification will be sent up to **March 15, 2009**.

The full papers shall be sent up to **April 10, 2009** as PDF files.

All papers shall have 6 pages maximum and will be included on the Symposium CD that will be given to participants at the opening session.

LANGUAGE

The official language of the symposium is English.

REGISTRATION AND PARTICIPATION FEE

The participation fee is 150 lei/pers.

The accommodation expenses are paid by the participants according to the registration form.

The accommodation expenses are of 85 EURO / day

All costs for symposium proceedings are ensured by the organisers.

SYMPOSIUM PROGRAM

| Day | Date | Hour | Activity |
|-----------|-----------|---------------|--------------------------------|
| Wednesday | 6.05.2009 | 17:00 – 20.00 | Participants registration |
| | | 20:00 | Welcome Cocktail |
| Thursday | 7.05.2009 | 9:00 – 11:00 | Opening and paper presentation |
| | | 11:00 – 11:15 | Coffee break |
| | | 11:15 – 13:00 | Paper presentation |
| | | 13:00 – 14:00 | Lunch |
| | | 14:00 – 15:45 | Paper presentation |
| | | 15:45 – 16:00 | Coffee break |
| | | 16:00 – 18:00 | Paper presentation |
| | | 19:00 | Festive dinner |
| Friday | 8.05.2009 | 10:00 – 11:30 | Discussions Closing |
| | | 13:00 – 14:30 | Lunch Departure |

SYMPOSIUM PLACE

Cheia resort is located in Prahova District, in a small depression crossed by the Telejean River, guarded by the peak of mountains called Ciucas at an altitude of 875 meters. Placed at about 60 km from Ploiesti, Cheia resort has wonderful landscapes and a tonic-stimulant intramountain-depression climate with highly ozoniferous air being at an optimum altitude for winter sports and trips.

The resort, characterized by relatively low atmospheric pressure, clean air free of dust and allergens and rich in ultraviolet radiation, with a marked ionization of the atmosphere, is a fine rest and recreation place.



A place worth visiting there is Cheia Monastery that was founded in 1770, destroyed by ottoman Turks, rebuilt and then burnt in a fire.

The present church was rebuilt in bricks within 1835-1839 and was painted by Gheorghe Tattarescu in 1837.

