

## CONFERENCE COORDINATOR

Andrei MARINESCU – ICMET CRAIOVA

## PROGRAM COMMITTEE

|                 |                                       |
|-----------------|---------------------------------------|
| S. GAL          | CN Transelectrica SA                  |
| I. MERFU        | CN Transelectrica SA                  |
| A. MARINESCU    | ICMET Craiova                         |
| C. DIACONU      | CNR - CIGRE                           |
| T. ENE          | CN Transelectrica SA                  |
| F. T. TĂNĂSESCU | ASTR                                  |
| Anca POPESCU    | ISPE Bucharest                        |
| Hermina ALBERT  | ISPE Bucharest                        |
| M.O. POPESCU    | POLITEHNICA University –<br>Bucharest |
| D. CRISTESCU    | POLITEHNICA University –<br>Bucharest |
| S. COATU        | POLITEHNICA University –<br>Bucharest |
| N. GOLOVANOV    | POLITEHNICA University –<br>Bucharest |

## SCIENTIFIC COMMITTEE

|                |                                       |
|----------------|---------------------------------------|
| S. COATU       | POLITEHNICA University –<br>Bucharest |
| D. CRISTESCU   | POLITEHNICA University –<br>Bucharest |
| N. GOLOVANOV   | POLITEHNICA University –<br>Bucharest |
| A. MARINESCU   | ICMET Craiova                         |
| Maria BROJBOIU | Craiova University                    |

## ORGANIZING COMMITTEE

|                    |                      |
|--------------------|----------------------|
| I. MERFU           | CN Transelectrica SA |
| M. DUȚĂ            | ICMET Craiova        |
| A. MARINESCU       | ICMET Craiova        |
| D. POPA            | ICMET Craiova        |
| I. PANĂ            | CN Transelectrica SA |
| Valeria ANGHIELINA | CN Transelectrica SA |
| Elvira CĂLIN       | ICMET Craiova        |
| Adriana MARINESCU  | ICMET Craiova        |
| Viorica VOICU      | ICMET Craiova        |
| Mirela MATHIE      | CN Transelectrica SA |
| Octavia LUNGU      | CN Transelectrica SA |

## IMPORTANT DATES

|                       |                              |
|-----------------------|------------------------------|
| <b>March 15, 2011</b> | Extended abstract submission |
| <b>April 15, 2011</b> | Acceptance notification      |
| <b>May 13, 2011</b>   | Paper transmission           |
| <b>June 8-9, 2011</b> | Conference                   |

## Mail address

**TRANSELECTRICA** Craiova  
Str. Brestei, No.5  
200581 Craiova, România  
Phone: + 40 0251 307100  
Fax: + 40 0251 307108  
E-mail: [valeria.anghelina@transelectrica.ro](mailto:valeria.anghelina@transelectrica.ro)  
Web: [www.transelectrica.ro](http://www.transelectrica.ro)

**ICMET** – Research, Development and Testing  
National Institute for Electrical Engineering  
B-dul Decebal, No. 118A  
200746 Craiova, România  
Phone: + 40 351 404 888, 351 404 889  
Fax: + 40 351 404 890, 251 415 482  
E-mail: [market@icmet.ro](mailto:market@icmet.ro)  
Web: [www.icmet.ro/optotech-2.htm](http://www.icmet.ro/optotech-2.htm)

### Contact persons:

Prof. Dr. eng. Andrei Marinescu: 0744 781025  
Eng. Valeria Anghelina: 0745 656603  
Eng. Elvira Călin: 0726 104305



CN TRANSELECTRICA SA

and

INC DIE ICMET



In cooperation with

National Authority for  
Scientific Research



Ministry of Economy,  
Trade and Business  
Environment



# OptoTech 2011

The Second National Conference

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

8 – 9 June 2011

Călimănești-Căciulata , Romania

FIRST ANNOUNCEMENT

We are glad to send you the invitation for the Conference **OptoTech 2011** organized at Călimănești by TRANSELECTRICA and ICMET Craiova, in cooperation with the Ministry of Education, Research, Youth and Sports, Ministry of Economy, Trade and Business Environment, CNR-CIGRE, ACER, ISPE, ASTR and UPB.

### OBJECTIVES

By means of this Conference held under the auspices of CIGRE – Study Committees A3, B2, B3, C3, D1, the organizers 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 transmission and distribution networks throughout 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;
- sustainable development of the transmission network and environment;
- other applications of the optoelectronic methods for measuring and control.

The second edition of this Conference will bring together representatives of the academic and industrial research from Romania and abroad, private small and medium enterprises, electric power transport and distribution utilities, professional associations, ministries and state institutions, for a constructive exchange of information and experience related to the trends existent at world level and their application in Romania.

### TOPICS

- New technologies for sustainable development of electric networks aiming at the decrease of the environment impact;
- Evolution of classical and unconventional instrument transformer manufacturing for electric substations with a view to improving the measurement accuracy according to the new series of standards IEC 61869-X;
- Ecological insulation and measuring systems in the electric networks (removal of insulating oil from line equipment);
- Optoelectronic measuring systems for electrical and non-electrical quantities, in steady state and transient state;
- Measurement and monitoring in electric networks and substations from Romania using the fiber optics infrastructure already existing on overhead lines;
- Integration of the measuring function in the line equipment from National Power Grid;
- Communication networks and systems in electric substations. Application of the standard series IEC 61850-XX;
- Optic systems for monitoring the thermal and electric condition of the transmission lines (cables and overhead lines) and equipment from electric substations.

### PAPER SUBMISSION

The potential authors will send an extended abstract (300-400 words – within one A4 format), until **March 15, 2011** (E-mail: market@icmet.ro; valeria.anghelina@transelectrica.ro)

Acceptance notification will be sent until **April 15, 2011**.

The papers will be edited in pdf format and will be sent until **May 13, 2011**.

All presented papers should have 6 pages maximum in CIGRE format and will be included on the Conference CD, which will be offered to the participants at the opening session.

### LANGUAGE

English is the official language of the Conference.

### REGISTRATION AND PARTICIPATION FEE

The participation fee is 100 lei/person.  
The accommodation expenses will be paid by the participants according to the Registration Form.

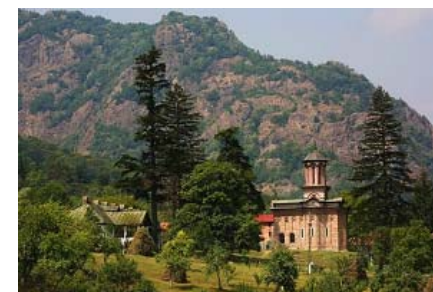
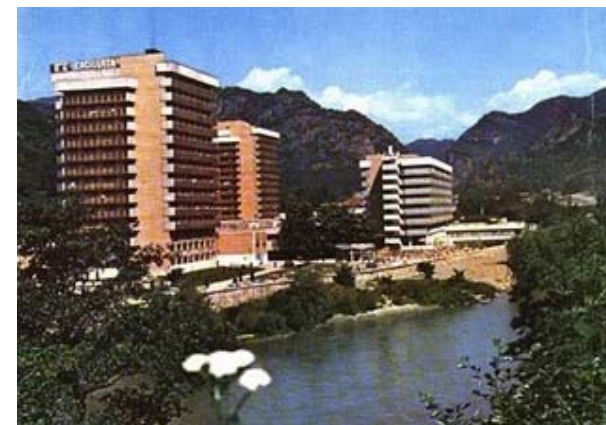
### CONFERENCE PROGRAM

| Day       | Date      | Time        | Activity                       |
|-----------|-----------|-------------|--------------------------------|
| Tuesday   | 7.06.2011 | 17:00-20.00 | Participant registration       |
|           |           | 20:00       | Welcome cocktail               |
| Wednesday | 8.06.2011 | 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             |
| Thursday  | 9.06.2011 | 19:00       | Festive dinner                 |
|           |           | 9:00-11:00  | Paper presentation             |
|           |           | 11:00-11:15 | Coffee break                   |
|           |           | 11:15-13:00 | Discussions and work closing   |
|           |           | 13:00-14:30 | Lunch<br>Departure             |

### CONFERENCE PLACE CALIMANESTI –CACIULATA Caciulata Hotel

Călimănești-Căciulata resort is located in Vâlcea county, at the foot of the Southern Carpathians, on the riverside of Olt. The resort is along the European Road E 81 (DN 7) at 18 km north of Râmnicu Vâlcea, 81 km south of Sibiu and 187 km far away from Bucharest.

It can be reached by air (Sibiu, Bucharest), railway and road.



Călimănești-Căciulata is considered as the "pearl" of all the resorts from Olt valley, due to the wonderful landscapes which could be admired in this Romanian area.

It is a climatic spa resort, documentarily attested since 1386 and well known abroad.