



# NEWSLETTER

## IMEKO Technical Committee 12

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### TO THE MEMBERS OF IMEKO TC12

Dear Colleagues,

a short Newsletter to keep all of you informed about developments that occurred during the last semester.

Informal activities were started for the preparation of TEMPMEKO '99 (that will be organized by P. Bloembergen in The Netherlands). Contacts have been established with the organizers of complementary conferences in the same year, to try to promote synergies among the various events. For the moment being no final decision has been reached regarding organizational aspects.

The rest of the Newsletter provides complete details on the work done in relation to the Proceedings Volume of TEMPMEKO '96 and information on the TC12 Workshop in Poland next September.

*Francesco Righini*

### PROCEEDINGS of TEMPMEKO '96

The refereeing process for the Proceedings Volume of TEMPMEKO '96 has been completed. There has been some delay with the expected schedule in relation both to the accurate work done by the referees and to delayed communication with some authors. The camera ready version of all manuscripts is now available and in these days is being sent to the printer.

The Proceedings Volume will contain 101 peer reviewed papers for a total of about 620 pages. The book is organized in the following topics, with the indicated number of papers for each topic:

Temperature scale and realizations	9
Temperature fixed points	12
Resistance and noise thermometry	8
Thermocouple thermometry	11
Radiation thermometry: standards and calibrations	16
Radiation thermometry: applications	15
Optical thermometry	5
Miscellaneous thermometry	6
Thermophysical property measurements	14
Humidity measurements	5

The reproduction and printing processes will take about 6 weeks. Considering the summer vacation period the Proceedings Volume should be mailed in the second half of September.

### TC 12 NEWS

#### *Seminar in Poland.*

The main activity sponsored by TC12 this year will be an international Seminar on "Low Temperature Thermometry and Dynamic Temperature Measurements" planned in Wroclaw and in Ladek Zdrój, Poland on September 23-25, 1997. The chairpersons are L. Michalski and A. Szmyrka-Grzebyk. The main topics are:

- thermodynamic temperature determinations in the low temperature range
- national realisations of the ITS-90 below 273.16 K
- low temperature fixed points
- dynamic temperature measurement theory and errors
- identification of sensor dynamics
- correction of dynamic errors
- microprocessor based equipment in dynamic temperature measurements

The Second Announcement is available. Anyone interested can obtain further details from

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#### *New topic for TC12: humidity measurements.*

Humidity measurements have been included in the scientific programme of TEMPMEKO '96 with considerable success. The recent meeting of the IMEKO Technical Board in Tampere in June 1997 has agreed to extend the activity of TC12 to include humidity, as part of the wide area of thermal measurements already covered by the Committee. We look forward to the participation of colleagues involved in humidity measurements in all the future events sponsored by TC12.