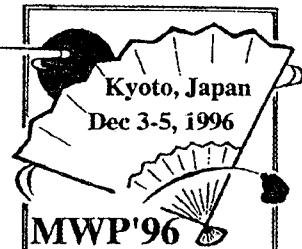


International Topical Meeting on



**MWP'96**

# Microwave Photonics

December 3-5, 1996, ATRI, Kyoto, Japan  
The Institute of Electronics, Information  
and Communication Engineers (IEICE)



## FIRST ANNOUNCEMENT AND CALL FOR PAPERS

The Topical Meeting on Microwave Photonics in Kyoto, December 1996 is the first international conference planned in Japan as the sixth of a series on this subject following ones in France (November 1994) and in USA (August 1995).

Microwave photonics is growing from the interdisciplinary research area between microwave technology and optoelectronics. It is a promising new concept for opening up novel information and communication technologies. Examples are the rapidly developing field of fiber-optic microwave and millimeter-wave subcarrier transmission link technologies for microcell or picocell mobile systems, as well as radio local area networks, phased array antennas, and various measurement systems. Microwave/millimeter-wave signal processing techniques composed of photonic devices will play an important role in realizing these systems.

The objective of the Meeting is to provide a forum for the technical communities representing device development and fabrication, system design and architectures, and their users, in which to explore the future direction of this field.

The meeting is sponsored by IEICE, in corporation with the IEEE Lasers and Electro-Optics Society (LEOS), the IEEE Microwave Theory and Techniques Society (MTT-S), IEEE LEOS Tokyo Chapter and IEEE MTT-S Tokyo Chapter.

The working language of the meeting will be English.

### Scope

Relevant topics of interest include, but are not limited to, the following:

1. Microwave Signal Transmission and Distribution by Light,
2. Microwave Fiber-Optic Links,
3. Optically Fed Wireless Communication Systems,
4. Chip-to-Chip Optical Interconnects for Gigabit Circuits,
5. Microwave Signal Processing by Photonic Technology,
6. Optically Controlled Phased Array Antennas,
7. Microwave Photonics for Measurements,
8. On-Chip Optical Characterization of MMICs,
9. Optical Control of Microwave Devices and Circuits,
10. Optical Generation and Control of Fast Electric Signals,
11. Ultrashort Light Pulse Technologies for Millimeter-Wave Applications,
12. Ultrafast Optoelectronics, Devices and Applications,
13. High-Speed Light Modulation and Detection,
14. Heterodyning and Mixing of Light and Microwave Signals, and
15. Material and Device Technologies for Microwave Photonics.

The meeting will offer a limited number of invited papers presented by experts of international repute and a special symposium in which to discuss the impact and role of microwave photonics in information and communication technologies of the next generation. A session for post-deadline papers is planned that will discuss the newest evolution and the latest results.

### Preparation of Papers

Original papers reporting on new research and development results as well as practical implementations and applications are solicited on the technical areas described in the Scope above. Each author is requested to submit *three copies of a 4-page camera-ready summary*. The 4-page summary must be written on 8 1/2 in. x 11 in. or A4-size white bond paper, typed single spaced and double columned on one side only within 17cm x 24cm. The title of the paper, authors name(s), affiliation, complete return address, telephone number, facsimile number and e-mail address (if available) must appear at the top of the first page, followed by a 35-word abstract. Clear tables, line drawings, and photographs can be included anywhere in the 4-page summary. If the paper is accepted, the manuscript will appear in the technical digest in offset print. Characters and illustrations exceeding the 17cm x 24cm area limit on each sheet may not be printed in the technical digest.

### Submission of Papers

Three copies must reach the MWP '96 Secretariat by June 24, 1996. Send your papers to:

Takeshi Kamiya, MWP '96 Program Chair  
c/o Center for Academic Societies, Osaka  
14th Fl. Senri Life Science Center Bldg.  
1-4-2 Shinseiri-higashi-machi, Toyonaka 565, Japan  
Tel: +81-6-873-2301 Fax: +81-6-873-2300

Please note that papers exceeding the 4-page limit will not be accepted for review. Authors will be notified by mid September, 1996 whether their papers have been accepted. Receipt and notification will be sent to the first author, unless otherwise instructed. No submitted paper will be returned to authors. Post-deadline papers will also be solicited. Details on the submission of post-deadline papers will be announced in the final call for papers.

**Deadline for submission: June 24, 1996**