ANNOUNCEMENT AND CALL FOR PAPERS

First International Workshop on
Transmission Line Matrix (TLM) Modeling – Theory and Applications

Co-sponsored by the IEEE Microwave Theory and Techniques Society
and in collaboration with the MTT-15 Technical Committee on Field Theory

August 1 to 3, 1995
University of Victoria, Victoria, British Columbia, Canada

preceded by an
Introductory Short Course on TLM on July 31, 1995

Objective

The principal objective of this International Research Workshop is to bring together experts in computational electromagnetics to assess the state of the art in TLM modeling of electromagnetic fields, to explore its capabilities, applications, limitations and future developments, and to evaluate its strengths and weaknesses with respect to other modeling techniques.

Introductory Short Course (July 31, 1995)

A one-day Short Course on the Theory and Applications of TLM will be offered on July 31, 1995, prior to the workshop. It will provide an introduction to TLM techniques for those workshop participants who have no or little working experience in TLM modelling. A copy of the course transparencies is included in the workshop fee.

Workshop (August 1 to 3, 1995)

This three-day Workshop will feature research presentations by invited international experts in TLM modeling, as well as contributed papers submitted for presentation. All papers will be refereed by the International Steering and Program Committee. The central theme will be Transmission Line Matrix (TLM) modeling of electromagnetic fields and its applications. The Workshop will be held during the week immediately following the "Progress in Electromagnetic Research Symposium 1995" at the University of Washington in Seattle. The first day of the Workshop will be devoted to the theoretical foundations and numerical properties of TLM algorithms. On the second day the focus will be on applications: TLM modeling of guiding and radiating structures, field-theory based design techniques and electromagnetic interference and compatibility issues. The third day will emphasize other aspects of TLM theory and applications, including coupled problems, non-electromagnetic phenomena, computer implementation aspects, and comparison with other methods.

Software Demonstrations

TLM software, electromagnetic simulators and CAD tools will be demonstrated during the Workshop. A limited number of workstations and PC's will be available for demonstrations in the meeting area during breaks and after the official sessions. Participants are welcome to bring their own computers.

Workshop Digest

A digest containing the written contributions by the Invited Keynote Speakers and the contributed papers will be available at the event.

On-line information is available on the World-Wide Web at *http://charge.uvic.ca/*

International Steering and Program Committee

Wolfgang J.R. Hoefer	Workshop Director
	University of Victoria, Canada
Ruediger Vahldieck	Workshop Co-Director
	University of Victoria, Canada
Christos Christopoulos	*University of Nottingham, U.K.*
Michael Krumpholz	*Univ. of Michigan, Ann Arbor, U.S.A.*
Peter Russer	*Ferdinand Braun Institut, Berlin, Germany*
Pierre Saguet	*University of Grenoble, France*

Invited Keynote Speakers

Zhizhang Chen	*T.U. of Nova Scotia*
Christos Christopoulos	*Univ. of Nottingham*
Donard De Cogan	*Univ. of East Anglia*
Fred German	*Texas Instruments*
David Johns	*KCC, Nottingham*
Michael Krumpholz	*Univ. of Michigan, Ann Arbor*
Joe LoVetri	*Univ. of Western Ontario*
Michel Ney	*ENST Bretagne, Brest*
John Nielsen	*BNR, Ottawa*
Dominique Pompei	*Univ. of Nice-Sophia Antipolis*
Peter Russer	*Ferdinand Braun Institut & T.U. Munchen*
Pierre Saguet	*Univ. of Grenoble*
Neil Simons	*CRC, Ottawa*
Ruediger Vahldieck	*Univ. of Victoria*

Submission Guidelines

Three copies of a single sheet summary. This sheet should indicate the title, author(s), complete mailing address, FAX number and E-mail address (if available). Text or PostScript submissions can be sent by E-mail or FTP.

Important Dates

Submission of summary by April 30, 1995.
Notification of authors by May 15, 1995.
Deadline for the final manuscript June 15, 1995.

Fee Schedule

Workshop only: $250, short course only: $100, workshop and short course: $300. All funds in Canadian dollars.

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August 1 to 3, 1995, University of Victoria, Canada
I plan to attend (delete as appropriate) <u>workshop only</u> ($250) / <u>short course only</u> ($100) / <u>workshop & short course</u> ($300) (Canadian dollars)
I plan to submit a summary by April 30, 1995: <u>yes</u>/<u>no</u>.   Please send a preliminary program: <u>yes</u>/<u>no</u>.
Name _____ Company/Affiliation _____
Mailing Address _____ City _____ State _____
Post/ZIP Code _____ Country _____ Telephone _____ E-mail _____
Please return to:
TLM Workshop c/o S. Cole, Department of Electrical & Computer Engineering, University of Victoria, P.O. Box 3055, M.S. 8610, Victoria, B.C., V8W 3P6, Canada. Tel. +1 (604) 721- 6025, FAX +1 (604) 721-6230 or 6052, E-mail: *scole@ece.uvic.ca*