

Program - Europe 1997

IEEE Computer Elements Technical Committee

1997 IEEE Computer Elements European Workshop

Portofino, Italy

March 23-26, 1997

Committee Chair and General Chair: Douglas Westcott, IBM (914)435-8652
General Co-chair: Mario Vinsani, Bull 39-2-6779-8244
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Workshop Theme: THE CHANGING EUROPEAN ELECTRONICS LANDSCAPE

Sunday, March 23, 1997

Keynote Address: Pen Based Computers or Computer Based Pens?
What is the right paradigm for the future of electronics?
Alberto Sangiovanni Vincentelli, Univ. Berkeley

Monday, March 24, 1997

Session I: Round Table on Electronics Evolution, Impact on the Electronics Industries and the European Society.

Round Table Chair: Roberto Del Moretto, European Commission

Participants: Maurizio Decina, CEFRIEL

Bernardo Del Monego, IBM Italy

Pierre Enschede, Magneti Marelli

Heikki Huomo, Nokia

Bill Lattin, Synopsys

Robert Lech, Cadence

Ennio Ponzetto, Olivetti

Bruno Ricco, Bolgna University

Alberto Sangiovanni Vincentelli, Univ. Berkeley

Enrico Villa, SGS Thomson

Mario Vinsani, European Chair IEEE Computer Elements

Douglas Westcott, Chair IEEE Computer Elements

Advance Research Projects and ESPRIT Programs- Framework IV-V

Roberto Del Moretto, European Commission-Directorate III

Session II: Computers, Web Computers and Multimedia Systems

Session chair: J. Talbot, Bull

II.1 Open System evolution

Jacques Talbot, Bull

II.2 Design of the Family of IBM Network Computers

Al Talkington, IBM Austin

II.3 Role of Smart Cards for the Internet

Pierre Parasdinas, GEMPLUS - Gemenon Cedex

II.4 Java and Internet Applications

Francesco Iarlori, SUN Microsystem-Italia

II.5 Internet over Direct Broadcasting Satellite

Horst Clausen, University of Salisburg

Session III: Communication Systems and Wireless Systems

Session chair: Heikki Huomo, Nokia

III.1 Integrated GPS and Wireless Communication Technologies

William Dussell, Trimble Navigation

III.2 Wireless System: Today and Tomorrow

Heikki Huomo, Nokia

III.3 Maritime Navigation System

G. Carnivali, Navionics

Tuesday, March 25, 1997

Session IV: New Design Methodologies and New CAD Tools

Session chair: Prof. Alberto Sangiovanni Vincentelli, Berkeley and Rome Universities.

IV.1 New Paradigms for System Design

Prof. Alberto Sangiovanni Vincentelli, Berkeley and Rome Universities

IV.2 Hardware and Software Codesign

Karl Van Rompaey, CoWare

IV.3 Design Reuse Challenge

Bill Lattin, Synopsys

Session V: The New Embedded Processors

Session Chair: Robert Krysiak, SGS Thomson

V.1 Embedded Processor-The Challenge of Superintegration

Robert Krysiak, SGS Thomson

V.2 Trends in High Volume Embedded Processors

Tudor Brown, ARM

V.3 Hyperstone, A Small Low Power, Low Cost Macro cell

Manfred Schlett, Hyperstone

V.4 PowerPC Embedded Processor

Elliot Newcombe, IBM

Informal Technical Exchange

Planning Meeting for those interested

Wednesday, March 26, 1997

Session VI: Electronics in the Car

Session Chair: Pierre Enschede, Magneti Marelli

VI.1 Introduction

Pierre Enschede, Magneti Marelli

VI.2 Vehicle microelectronics - Technical status and future developments

H. Cuntz, Bosch

VI.3 Road telematic or interactivity between vehicle and infrastructure

D. Augello, Renault

VI.4 New structure in automotive electronics and their implications for development procedures and the collaboration between development partners. History, experience, and benefits.

C. Braklo, Mercedes

VI.5 From Car Stereo to Info Center and onward to a Multimedia

Distributed Architecture

P. Gonnella, SGS Thomson

12:15 End of Workshop