

**IMIA**  
International Medical Informatics  
Association

**WG - 6**  
Working Group 6

**Conference on Natural  
Language  
and Medical Concept  
Representation**

Jacksonville, Florida USA  
January 19-22, 1997



<http://www.cmt.org/WG6/conf>

The International Medical Informatics Association is sponsoring its Fourth International Conference on Medical Concept Representation in Jacksonville Florida, during January, 1997. Following the traditions of Ottawa 1984, Geneva 1988, and Vevey 1994, the conference will represent the state-of-the-art thinking and developments in healthcare classification, terminology models, cognitive evaluations of interfaces and term navigation, and medical language processing.

**VENUE:** The Conference Center of the Ponte Vedra Inn and Club, Jacksonville, Florida. Meeting

## **1997 PROGRAM COMMITTEE**

**CHAIR:** C. G. Chute, MD, DrPH, Mayo Clinic, USA

### **TRACK CHAIRS:**

**Natural Language Processing:** R. H. Baud, MD, Geneva Canton University Hospital, Switzerland, *"Knowledge Extraction From A Multilingual Source"*

**Clinical Classifications:** J. J. Cimino, MD, Columbia Presbyterian Medical Center, USA, *"Desiderata For Controlled Medical Vocabularies in the Twenty-First Century"*

**Cognitive Evaluations:** V. L. Patel, MD, McGill University, Canada, *"Understanding, Communicating, and Navigating Knowledge: Issues and Challenges"*

**Terminology Models:** A. Rector, MD, Manchester University, UK, *Classification Systems and Thesauri: Terminologies For Machines and Terminologies for People"*

**OPENING ADDRESS:** J-R. Scherrer, President, European Federation of Medical Informatics (EFMI), Switzerland

**CONFERENCE DINNER SPEAKER:** E. J. Sondik, Director, National Center for Health Statistics, USA, *"Health Data Standards Policy and the Health Insurance Portability and Accountability Act"*

### **SPEAKERS:**

J. Bernauer, Institute for Medical Information, Germany,

*"Classification Issues for Medical Concept Representation:*

P. Brown/C. Price, NHS Centre for Coding and Classification, UK,

*"Semantic Definition in Version 3 of the Read Codes"*

K. E. Campbell, Stanford University School of Medicine, USA,

*"Scalable Methodologies for Distributed Development of Logic-based Convergent Medical Terminology"*

W. Ceuster, Het Moorhof, Belgium, *"The Distinction Between Linguistic and Conceptual Semantics in Medical Terminology and Its Implications for NLP-Based Knowledge Acquisition"*

- W. G. Cole, University of Washington, USA, *"Cognitive Evaluation of Medical Software Usability"*
- R. A. Côté, Sherbrooke University, Canada, *"SNOMED-Based Standard Information Model"*
- P. de Vries Robbe, University of Nijmegen, The Netherlands, *"Health Care Classifications and Terminological Modeling"*
- P. Degoulet, Broussais University Hospital, France, *"Semantic Integration From the Point of View of Concept Representation"*
- D. A. Evans, Carnegie Mellon University, USA, *"New Approaches to Natural-Language Processing For Medical Applications: Exploiting Resource-Poor Techniques and the 'Empirical' Data of Texts"*
- C. Friedman, Columbia University, USA, *"Issues for Natural Language Processing of Clinical Reports"*
- S. Garrod, University of Glasgow, Scotland, *"How Groups Coordinate Their Concepts: Implications for Decision Making in health Care Teams"*
- S. M. Huff, University of Utah, USA, *"Linking Medical Vocabulary to a Clinical Data Model Using ASN.1 (Abstract Syntax Notation 1)"*
- J. Ingenerf, GSF Institute, Germany, *"Conceptual and Statistically Oriented Classificaton"*
- S. B. Johnson, Columbia University, USA, *"Conceptual Graph Grammar: A Simple Formalism for Sublanguage"*
- A. T. McCray, National Library of Medicine, USA, *"NLP: Methods, Issues, Applications"*
- M. A. Musen, Stanford University School of Medicine, USA, *"Formal Medical Ontologies and Software Development"*
- E. Nygren, University of Uppsala, Sweden, *"From Paper to Computer Screen: Human Information Processing and Interfaces to Patient Data"*
- A-M. Rassinoux, Vanderbilt University, USA, *"Issues in Modeling Just the Important and Relevant Concepts in Medicine for Medical Language Understanding"*
- A. Rossi Mori, Istituto Tecnologie Biomediche, Italy, *"The CEN-TC 251 Approach to Support Development of Terminological Services for Health Care Telematics"*
- R. A. Rocha, University of Utah School of Medicine, USA, *"Evaluation of a Semantic Data Model for Chest Radiology: Application of a New Methodology"*
- F. Schmalhofer, Deutsches Forschungszentrum für Künstliche Intelligenz GmbH, Germany, *"Cooperative Knowledge Evolution: A Construction-Integration Approach to Knowledge Discovery in Medicine"*

[Speaker list continued on back]

**SPEAKERS (CONTINUED):**

- R. Spiro, University of Illinois at Urbana-Champaign, USA. *Evaluating and Meeting the Demands of Complex Medical Cognition: Hypertext and the Problem of Expert Flexibility*"
- M. Stefanelli, University of Pavia, Italy, "Towards Cooperative Patient Management Through Medical Ontologies"
- P. Zweigenbaum, Assistance Publique-Paris Hospitals, France, "From Text to Knowledge: A Unifying Document-Oriented View of Analyzed Medical Language"

**CONFERENCE SCHEDULE:****WORKING SESSIONS:**

- Mon., Jan. 20 8:00 a.m. - 5:00 p.m.
- Tues., Jan. 21 8:00 a.m. - 4:00 p.m.
- Wed., Jan. 22 8:00 a.m. - 12:00 noon

**SPECIAL EVENTS:**

- Sun., Jan. 19 6:00 pm Welcoming Reception
- Mon., Jan. 20 6:30 pm Formal dinner
- Tues., Jan 21 4:30 pm St. Augustine Tour and  
Lightner Museum Reception

**REGISTRATION:** Participating Observer Registration \$1650 (includes hotel accommodations for 1/19-21, ground transportation to/from Jacksonville airport, all meals and social events); Non-Participating Accompanying Guest Registration (includes all meals and social activities only) \$600. [Registrations strictly limited to 75 observers.] Registration forms faxed upon request.

**ON-LINE MEETING INFORMATION:**

<http://www.cmt.org/WG6/conf>

**CONFERENCE SECRETARIAT:**

Karen Elias  
Mayo Clinic, Harwick 675  
Rochester, MN 55905 USA  
Phone: (507)284-5541 Fax: (507)284-1516  
Email: [elias@mayo.edu](mailto:elias@mayo.edu)

# IMIA WG-6

INTERNATIONAL MEDICAL INFORMATION ASSOCIATION  
WORKING GROUP 6

Conference on Natural Language  
and Medical Concept Representation

Jacksonville, Florida, USA  
January 19-22, 1997

## REGISTRATION FORM

Return to: Karen Elias, IMIA WG6 Conference Secretariat,  
Mayo Clinic, 200 First Street SW, Harwick 675, Rochester, MN 55905, USA  
Phone: 507-284-5541; Fax: 507-284-1516  
Email: elias@mayo.edu

### Participant

Surname: \_\_\_\_\_ First Name: \_\_\_\_\_ Prof./Dr./Mr./Mrs.

Institution/Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Country: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

### Non-Observer Guest(s)

Surname: \_\_\_\_\_ First Name: \_\_\_\_\_ Prof./Dr./Mr./Mrs.

Surname: \_\_\_\_\_ First Name: \_\_\_\_\_ Prof./Dr./Mr./Mrs.

### Travel Plans

Arrival date/time: \_\_\_\_\_ Departure date/time: \_\_\_\_\_

Airline/flight #: \_\_\_\_\_ Airline/flight #: \_\_\_\_\_

Special needs/dietary requirements (specify): \_\_\_\_\_

**REGISTRATION** FOR OBSERVER/PARTICIPANTS IS STRICTLY LIMITED TO 75. FULL  
PAYMENT (IN U.S. DOLLARS) WILL CONFIRM YOUR REGISTRATION.

**Full Participation** (work sessions, hotel (3 nights--1/19-21/97), opening reception,  
formal dinner, all meals, & St. Augustine tour): \$1,650 \$ \_\_\_\_\_

**Non-Participating Guest** (opening reception, formal dinner,  
all meals, and St. Augustine tour): \$ 600 \$ \_\_\_\_\_

**TOTAL** (payable to Mayo Foundation): \$ \_\_\_\_\_

Mail Registration Form and Payment to: Meeting Secretariat address listed.

**Registration deadline is November 20, 1996.**

