

To: IMIA Board  
From: IMIA's Publications Office, JH van Bommel  
Date: August 1996

## 1. IMIA's WWW pages

The WWW pages of IMIA were announced in the Fall of 1995. Leaflets were printed and widely distributed at major conferences. Address:  
<http://www.eur.nl/FGG/MI/imia/home.html>

The pages will be updated with the material that arrived for the 1996 Yearbook. Connections are being made to WWW pages of member societies and working groups.

## 2. YEARBOOK

*Sell at Annual Conference?*

The 1996 IMIA Yearbook of Medical Informatics is the fifth in a series of Yearbooks. They are distributed worldwide through IMIA's 45 Member Societies. The 1996 Yearbook bears the title: *Integration of Information for Patient Care*.

This year, the editors were assisted by 14 colleagues who prepared invited Review Papers, by 7 guest editors who wrote synopses of papers included in the Yearbook, and by 29 referees who assisted in the selection of these papers. As usual, the papers were selected from the refereed literature in the year before, i.e., 1995. In addition, overviews are given of a selection of Education and Training programs in medical/health informatics. By requesting each year a different number of centers to describe their educational activities, the editors are able to cover over the years educational activities in medical and health informatics worldwide. The Yearbook is preceded by a Preface from IMIA's President since 1995, Dr Otto Rienhoff, Georg-August University, Goettingen, Germany.

### *Integrated Workstations*

Information technology has now been introduced in virtually all hospitals. The use of systems is no longer restricted to special areas of care only, such as radiology or the laboratory. In principle, the technology is now available that allows central and monolithic hospital information systems to be transformed into hospital-wide networks with 'intelligent' workstations or PCs all over the hospital, up to the consultation room and close to the bedside. This transformation is just beginning. At present, graphical workstations and network technology are leading developments in the computer industry. Client-server protocols ease the integration of systems and distribution of processing tasks. Workstations offer an environment that make all applications, running either locally or through a network, act as one single integrated system from the user's perspective. In several institutions, promising developments of health-care workstations, enabling integration of patient data that are scattered over different systems, are now underway. In principle, such systems offer to the clinician on one computer screen patient data, images, and biosignals, on whatever computer they are stored and on whatever system they are processed.

The editors requested the support of a number of colleagues to write Review Articles on this most interesting subject area. We are most grateful that they all responded positively.

The 1996 Yearbook, therefore, includes a number of advanced contributions on this subject: Soumitra Sengupta and Paul Clayton (Columbia-Presbyterian Medical Center, New York) contribute on the architectural perspective of clinical workstations; Patrice Degoulet, François-Christophe Jean (Broussais University Hospital, Paris, France) and Charles Safran (Harvard Medical School, Boston, USA) on multimedia workstations as electronic assistants for health-care professionals; Bob Greenes and Stephan Deibel (Brigham and Women's Hospital, Boston, USA) on component-integration strategies for a changing health-care system, to construct workstation applications; Hans-Peter Meinzer and Uwe Engelmann (German Cancer Center, Heidelberg, Germany) on medical images in integrated health-care workstations; Erik van Mulligen and Teun Timmers (Erasmus University Rotterdam, The Netherlands) on trends in integrated clinical workstations; and Ramesh Patil, Wixiong Zhang and Wei-Min Shen (USC/Information Sciences Institute, Marina del Rey, USA) on an information mediator network for tasks in dynamic environments. Together, these paper offer a very up-to-date overview on modern developments in client-server and object-oriented approaches in the development of physicians' integrated workstations.

### *Education in Medical Informatics*

The papers on education and training in medical and health informatics comprise again an interesting cross-section of activities in different countries: Dennis Protti (University of Victoria, Canada); David Ingram (University College, London Medical School, UK); Stig Andersen and Steen Andreassen (University of Aalborg, Denmark); Perry Miller (Yale University, New Haven, USA); and Randy Miller (Vanderbilt University, Nashville, USA).

### *Guest Editors*

After the selection of papers to be included in the Yearbook, guest editors were requested to write a Synopsis and a more or less critical review of the papers in the different sections. They include: G. Pangalos (University of Thessaloniki, Greece) on Health and Clinical Management; Alan Rector (University of Manchester, UK) on Computer-based Patient Records; Henry Lowe (University of Pittsburgh, USA) on Biomedical Information Systems; Arie Hasman (University of Limburg, The Netherlands) on Image and Signal Processing; Jaap Suermondt (Hewlett-Packard Laboratories, Palo Alto, USA) on Decision-support Systems; Beatriz de Faria Leão (Federal University of Sao Paulo, Brazil) on Knowledge Processing; and Vimla Patel (McGill University, Montreal, Canada) on Recent Advances in Computer Technologies and Medical Education.

### *IMIA*

The Yearbook contains a host of recent information on IMIA, its Member Societies and its Working Groups. The Section on Working Groups was - again - carefully prepared by Dr Jean-Raoul Scherrer from Geneva, who is IMIA's Vice President for Special Interest Groups and Working Groups. IMIA's Secretary, Dr Bjarte Solheim from Oslo, gave much assistance to the preparation of the general IMIA pages. IMIA representatives from most countries offered material on their respective Societies. A full list of presidents and/or secretaries of Member Societies and addresses is included in the Yearbook.

## Index Lists

The articles in this Yearbook have been categorized in the keyword index list, and a full list of authors has also been included. The same has been done for all articles in medical and health informatics that appeared in the main medical informatics journals, together with an author and keyword index. This information was compiled by the managing editors, with the help of MEDLINE, to which the editors have access, which is gratefully acknowledged.

## The 1997 Yearbook

The 1997 IMIA Yearbook of Medical Informatics will be on a highly interesting theme: *Computing and Collaborative Care*. The 1997 IMIA Yearbook hopes to offer a representative overview of the state of the art. Companies that are active in this area are invited to contribute as well.

## Acknowledgments

The editors acknowledge the contributions of Referees and Guest Editors. The editors would also like to thank the high-level contributions by the colleagues who wrote the Review Papers and the contributions in the Education and Training Section. They are also grateful for the time and effort given by the managing editors, Martine de Bruijne, Manon Kuilboer, Peter Moorman, Frank Pierik, Jifke Veenland, and Anke Wybenga. Very much organizational work was done by the secretaries of the Dept of Medical Informatics of the Erasmus University Rotterdam (Désirée De Jong in collecting papers and all other material for the Yearbook, correspondence with authors, referees, reviewers, synopsis writers and journal publishers, together with Rosa Scholte and Henriëtte van Waaij, in preparing the Yearbook for the Publisher). The contributions of Schattauer Verlag in Stuttgart (Mr Dieter Bergemann and Hannelore Hensen) are also gratefully acknowledged. We want to thank all authors and Publishers for their willingness to contribute papers to the 1996 Yearbook, all IMIA Member Societies, and especially Jean-Raoul Scherrer and Bjarte Solheim for their contributions to the Yearbook.

## Orders

The Yearbook was ordered by the following countries:

	Ordered				
	1992	1993	1994	1995	1996
Australia	100	100	-	-	-
Austria	50	50	50	50	50
Belgium	200	200	250	250	250
Brazil	400	150	250	100	100
Canada	50	-	-	-	-
China	100	40	-	-	-
Croatia	-	100	-	-	-
Czech Republic	15	-	-	20	20
Denmark	20	250	225	450	550
European Union	-	-	1000	-	-

Finland	-	-	-	-	-
France	250	100	125	100	100
Germany	1000	400	400	300	600
Indonesia	20	-	-	-	-
Ireland	-	100	-	-	-
Italy	-	-	-	-	-
Japan	1200	1400	1200	1000	1000
Korea	-	100	-	100	-
Malaysia	50	-	-	-	-
Netherlands	240	50	100	350	200
New Zealand	50	-	50	-	-
Norway	100	100	50	50	50
Poland	-	-	-	-	40
Portugal	20	-	-	-	-
S Africa	-	150	-	150	-
Romania	-	-	-	-	10
Singapore	100	50	-	-	-
Slovenia	-	-	-	-	100
Spain	50	-	-	-	-
Sweden	350	200	50	50	50
Switzerland	350	350	350	370	380
Thailand	100	-	-	-	-
UK	1000	200	100	50	50
Ukraine	-	-	100	-	-
USA	2500	3000	3500	3500	3500
WHO	200	50	100	100	-
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Total	8515	7140	7900	7005	7050

### 3. Conferences to be published

- The Helina Conference (South Africa, April 1996) will be published as a special issue of Methods of Information in Medicine.
- Also the Biosignal Interpretation Working Conference (Tokyo, September 1996) will be published as a special issue of Methods of Information in Medicine.

1996 IMIA YEARBOOK OF MEDICAL INFORMATICS

ADDRESSES OF  
IMIA Member Societies  
and  
Regional Groups

to be returned before January 31st, 1996

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Country :

Name of the Society :

WWW Home page (URL) :

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President/chairman of the Society

Name :

Address:

IMIA representative (if another person)

Name:

Address:

Phone:

Fax:

E-mail:

Phone:

Fax:

E-mail:

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Secretary:

Name :

Address:

Phone:

Fax:

E-mail:

vb96-003.95/sep95

Please send this form by mail or fax to:

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