Herman Oosterwijk, MS, MBA

Herman Oosterwijk is an experienced professional, having extensive knowledge and background with implementing health care imaging and IT solutions. He has been successfully involved with Electronic Health Records (EHR) and Picture Archiving and Communication Systems (PACS) as a teacher, consultant and engineering and business manager for more than 30 years.

His qualifications include:

- Co-chair of the IHE implementation committee managing working groups dealing with IHE standardization and collecting case studies to document IHE successful implementations. Chaired the Technical and Regulatory committee of the MEDPACS section of the National Electrical Manufacturers Association (NEMA). Participated in the DICOM standardization effort as part of working group VI, HL7 standard participating in the Imaging and Integration Special Interest Group and IHE for ophthalmology.

- Authored textbooks ("DICOM Basics" and "PACS fundamentals"), contributed a chapter on HIS/EMR in a medical imaging textbook, and multiple study guides, which are used by professionals looking for certification in the health care IT field. Published extensively and presented papers, refresher courses at many scientific conferences, in the U.S., Europe, Latin America, and Japan related to EHR, PACS implementation, as well as DICOM and HL7 standardization.

- Part of adjunct faculty at the University of North Texas. Taught Health Informatics program courses in medical imaging for Masters and PhD students. Supported research activities on medical digital imaging as an Associate Fellow of the Texas Center for Digital Knowledge.

- Provides EHR, PACS and connectivity consulting services for major vendors in the Healthcare IT market as well as end users such as the US Army and Department of Veterans Affairs (especially the VistA program) and Mayo Clinic. Services range from market studies and cost analysis modeling to detailed technical requirement specifications.

- Served as an expert witness in several legal cases concerning medical devices, medical software implementations and connectivity issues between devices.

- Teaches seminars on PACS, EMR, the Digital Imaging and Communications in Medicine (DICOM), HL7 and IHE standard worldwide; is a well-recognized expert and consultant on communication standards for medical informatics.

- Extensive experience with the development of Imaging systems through its employment by major players in this industry (Philips, AT&T, Kodak) as Product Line manager and Project Manager.

- Generated technical specifications (RFP's) as well as their responses for major Medical Image Communications (PACS) projects, particularly the DOD DINPACS project.

Professional background:

IHE USA, Chicago Ill: **2015-current**
Vice-chair Implementation Committee
Chair the IHE implementation committee to manage working groups dealing with IHE certification and publish case studies about IHE implementations.

OTECH INC., Dallas, Texas: **1995-current**
President, owner
Consult with vendors as well as end users for Medical Imaging (PACS) applications. Participates in DICOM, HL7, IHE and EHR standardization effort.

HEALTH SERVICES OF NORTH TEXAS, Denton, Texas: **2011-current**
Board member, chair of IT committee
Support this Federally Qualified Health Center, which serves the underprivileged in Denton county, to plan and implement healthcare IT solutions.

UNIVERSITY OF NORTH TEXAS, Denton, Texas: **2000-2005**
Part of adjunct faculty
Teach Medical imaging and support corresponding research projects.

KODAK HEALTH IMAGING SYSTEMS, Dallas, Texas: **1991 - 1995**
Product Line Manager
Responsible for the specification, conceptualization and implementation of Image acquisition and Communication products, including P&L and Life cycle management.

AT&T BELL LABORATORIES
(Resident for Philips), West Long Branch, New Jersey: **1987 - 1990**
Manager/Technical Liaison
Responsible for specifying and coordinating the technical interfaces from Philips medical acquisition devices to the AT&T Archiving, Communication and Display systems.

PHILIPS MEDICAL SYSTEMS, Shelton, Connecticut: **1983 - 1987**
Engineering Program Manager
Responsible for the specification, technical coordination, and timely delivery of thoroughly tested Medical Image Communication Systems to the customer.
Senior Programmer/Analyst
Managed a project for centralized diagnostic reading of CT images (Teleradiology)

PHILIPS MEDICAL SYSTEMS, Best, Netherlands: **1978 - 1983**
Software Designer/Analyst
Responsible for the software architecture and supervised up to 8 engineers to implement the image reconstruction software for Computerized Tomography (CT).

EDUCATION

M.B.A.; Specialty in International Business, Dallas Baptist University, 1992 - 1994
M.S.; Telecommunication Management, Polytechnic University Brooklyn, 1988 - 1990
Computer Science, Economic Institute Tilburg, Netherlands, 1979 - 1982
B.S. in Electrical Engineering, Technical College Zwolle, Netherlands, 1969 – 1973

Partial List of most recent U.S. publications/presentations

- Herman Oosterwijk, "Introduction to IHE", Proceedings of 2004 CARS conference.

- Herman Oosterwijk, Allan Farman, and Paul Gihring, "Standardization of DICOM in Dentistry," Proceedings of the 2004 CARS conference.

- Herman Oosterwijk, "PACS Fundamentals", textbook published by OTech; ISBN: 90-75498-39-X.

- Marco Eichelberg, D. Groenemeyer, Peter Jensch, Klaus Kleber, Herman Oosterwijk, Joerg Riesmeier, "Authentication, integrity and confidentiality in DICOM SR: Concept and implementation," Proceedings of SPIE 2002.

- Marco Eichelberg, D. Groenemeyer, Peter Jensch, Klaus Kleber, Herman Oosterwijk, Joerg Riesmeier, Sandra von Gehlen, "DICOM Structured Reporting – a Prototype Implementation," Proceedings of CARS 2001.

- Ken Compton, Bradley Hemminger, Herman Oosterwijk, "Practical Usage of Image Quality Verification Tools," Proceedings of the SPIE 2001.

- Marco Eichelberg, Joerg Holstein, Peter Jensch, Klaus Kleber, Herman Oosterwijk, Joerg Riesmeier, "Consistency of Softcopy and hardcopy: Preliminary Experiences with the New DICOM extensions for Image Display," Proceedings of the SPIE 2000.

- Herman Oosterwijk, "DICOM Basics", textbook published by OTech Inc/Cap Gemini Ernst and Young: ISBN: 90-75498-39-X.

- Herman Oosterwijk, "Pitfalls to avoid when buying a PACS," Diagnostic Imaging June 1997.

- Herman Oosterwijk, "DICOM, Your Guarantee to Interoperability?," Proceedings of the SPIE 1997

- Timothy Averion-Mahloch, Herman Oosterwijk, James E. Przybylowicz, Mark Wofford, "Image Quality, Critical to PACS," Proceedings of the SPIE vol. 1897, 1993.

- Maria A. Durkin, Herman Oosterwijk, James E. Przybylowicz, "Image Quality Issues in a Network Environment," Proceedings of the SPIE vol. 1653, 1992.

- Robert Hindel, Herman Oosterwijk, Ruetger Heu and Dieter Meyer-Ebrecht, "Ten Years of PACS Experience," Proceedings of the SPIE vol. 1093:320-329, 1989.

- Herman Oosterwijk, Terry Rosenbaum and James Siebert, "An Integrated Interhospital Imaging Network," Medica Mundi, 30/3:89-92; also published in 'Computers in Diagnostic Radiology, a book of selected readings,' Charles Thomas, Springfield Ill, 270-280, 1989.

- Steven Horii, Herman Oosterwijk, Yen Wang, et al. "Summary of Compatibility of the ACR-NEMA Imaging and Communication Standard," Proceedings of the SPIE vol. 767:272-280, 1987.

- Herman Oosterwijk, "PACS Implementation, a Tailored Approach," Proceedings of the SPIE vol. 767: 752-757, 1987.

- David Best, Herman Oosterwijk, Yen Wang et al, "Summary of Compatibility of the ACR-NEMA Imaging and Communication Standard," Proceedings of the SPIE vol. 767:819-822, 1987.

In addition, Herman Oosterwijk publishes extensively in trade magazines and OTech news publications; the text of most of them is available on-line at www.otechimg.com under the blog entry.