

# Rada, Hussein, PhD, FIAHSI

## Principal Investigator

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## Research Interests

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- Integrating Patient-Generated Health Data (PGHD) into Electronic Health Record (EHR)
- Creating connected digital health roadmap utilizing strategic and innovation management techniques
- Realizing Universal Health Coverage (UHC) goals via strengthening national health information systems

## Education

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- PhD in Medical Informatics, Heidelberg University, Germany, (2004)
  - Thesis Title: Integrating the Healthcare Enterprise (IHE): Generic tools for workflow engineering and international adaptation
- MSc in Systems and Biomedical Engineering, Cairo University, Egypt (1998)
- BSc in Systems and Biomedical Engineering, Cairo University, Egypt (1993)

### Training and fellowships

- Innovation Management-Strategic Product and Technology Planning, Heinz Nixdorf Institute (HNI), Paderborn University, Germany (2011)
- Project Management Professional, Project Management Institute (PMI), Egypt (2006)
- Professional Diploma in Software Engineering, Information Technology Institute, Egypt (1994)

## Work Experience

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- Principal Investigator at the LBI-DHP (since 2019)
- Founder and director of the Biomedical Informatics Center of Excellence (BMICoE), Information Technology Institute (ITI), Ministry of Communications and Information Technology (MCIT), Egypt (2006-2014)
  - ITI Deputy for Research and Innovation (R&I) (2006-2014)
  - Chair of the steering committee of the first Egyptian Fellowship Program in Health Informatics (2009-2014)
  - Medical Informatics expert for the national eHealth initiative (2007-2010)
- Assistant Professor at the Faculty of Engineering, Al-Ahlyya Amman University, Jordan (2004-2005)
- Medical Informatics chief consultant, InfoMD, USA (2004-2005)

- PhD student, Medical and Biological Informatics Division of the German Cancer Research Center (DKFZ), Germany (2001-2004)
  - Software Engineer, CHILI GmbH, Germany (2001-2004)
- Manager of the Medical Informatics Department, Bahgat Group, Egypt (1997-2001)
  - Siemens Health Services (SHS) project assistant at the Urology and Nephrology Center (UNC), Egypt (1999-2000)
- Hospital Information Management Systems (HMIS) software developer and trainer, Data Management Systems (DMS), Egypt (1995-1997)
- Medical software developer and trainer, Information Technology Institute (ITI), Egypt (1994-1995)

## Research Projects

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- Co-Principal Investigator of the AFRICA BUILD project, funded by the FP7-EC (2011-2014)
- PI of the TeleMedic@Egypt project, funded by the Research, Development and Innovation (RDI) Programme- EC (2009-2011)
- Member of the panel of experts for ACTION-Grid project funded by the FP7-EC (2008-2010)
- Member of the panel of experts for MAP-IT! Project funded by the European Commission under the FP6-EC (2007-2008)
- Established a research project with the Institute for Medical Informatics, Statistics and Epidemiology (IMISE), Leipzig University, Germany for creating the Three-layer Graph-based Meta Models (3LGM<sup>2</sup>) for the Integrating the Healthcare Enterprise (IHE)-Scheduled Workflow Integration Profile (2007-2010).

## Professional and Academic Associations

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### International journals and conferences

- Associate editor for the Journal of Medical Systems (JoMS)- Springer (Since 2013)
- member of the editorial review board of the International Journal of Big Data and Analytics in Healthcare (IJBDAH) (Since 2016).
- Member of the Scientific Program Committee (SPC) for Medinfo 2015, AFRICA BUILD 1<sup>st</sup> International Conference (2013), CBMS 2012, NI 2009, and ICICT 2006.
- Reviewer for the American Medical Informatics Association (AMIA) Annual Symposium, the 30<sup>th</sup> Medical Informatics Europe conference (MIE) 2020, dHealth 2020, the BMJ Global Health, and the International Journal for Quality in Health Care.
- Invited talks at MEDINFO 2015, IAC2014, IST-Africa Horizon 2020 Workshop 2014, MEDICONIX 2012, BioSoft 2012, and others.
- Member of the international advisory board of the book entitled: "Health Information Systems – Architectures and Strategies" (2006).

### International professional association

- Member of the European Society of Cardiology (ESC) Working Group on e-Cardiology (Since 2019)
- Leading the Egyptian efforts for establishing the International Medical Informatics Association (IMIA) -Middle East and North African Health Informatics Association (MENAHA) (2018)

- Founding member of the IMIA's International Academy of Health Sciences Informatics (IAHSI) (Since 2017)
- Member of the IMIA Nominating Committee (2017)
- Member of the IMIA Francois Gremy Award Committee (2015)
- ITI representative at the IMIA (2007-2014)
- Member of IMIA working Group 1 for Health and Medical Informatics Education (2007-2010)

## Publications

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- <https://orcid.org/0000-0003-1257-4848/print>

## Honors And Awards

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- Winner of the Nexus Digital Health Innovation Challenge (May 2020), Use Case 2: Organization of Health Data
- A delegate of the Egyptian Ministry of Scientific Research of 5th Euroscience Open Forum (ESOF 2012) Dublin-Ireland (2012)
- Selected as one of five distinguished young experts by the Institute of Electrical and Electronics Engineers (IEEE)- Engineering in Medicine and Biology Society (EMBS) (2010)
- Wall of Fame at ITI (2009)
- Best paper award of the International Conference on Information and Communications Technology (ICICT 2006).
- Invited for a training program by Siemens Health Services (SHS) in Erlangen, Germany (1999)
- Sponsored scientific visit to the US by the Egyptian cabinet (1994)
- ITI Fellowship, Decision Support Center, the Egyptian cabinet (1993)