

## PERSONAL INFORMATION



## Subhamoy Mandal

📍 Helmholtz Zentrum München (GmbH), Institute for Biological and Medical Imaging, Ingolstädter Landstr. 1, 85764 Neuherberg (Germany)

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Nationality Indian

## POSITION

## DAAD PhD Research Scholar at TU München and Helmholtz Zentrum München

## WORK EXPERIENCE

06/2011–05/2012

## Research Consultant

GE Global Research, Bangalore (India)

Worked as a part of the Medical Image Analysis Lab - Developed algorithms for Early detection of Alzheimer's disease using Magnetic Resonance Imaging, and Attenuation Correction for MR-PET for Oncology quantification.

07/2008–07/2010

## Senior Project Assistant

Texas Instruments - Sponsored Research and Industrial Consultancy, IIT Kharagpur (India)

Medical Image Analysis & MEMS based Flow Sensor Development

02/2007–04/2008

## Research Intern: Manipal Base of Pyramid Program

Philips Healthcare, Bangalore/ Manipal (India)

Design & Development of Cardiac Diagnosis & Sustainable Healthcare Delivery System for Rural India.

## EDUCATION AND TRAINING

10/2012–Present

## PhD (Dr. Ing) - Electrical Engineering and Information Technology

TU München and Helmholtz Zentrum München, München (Germany)

Multispectral Optoacoustic Imaging and Medical Image Analysis

*Supervisors:* Prof. Dr. Daniel Razansky and Prof. Dr. Vasilis Ntziachristos

07/2008–06/2011

## Master of Science (MS) by Research

Indian Institute of Technology Kharagpur, Kharagpur (India)

Thesis: Application of Multiresolution Signal Processing to Acoustical Cardiac Signals  
Awarded degree on successful defense of the Thesis in May 2012

*Supervisors:* Prof. Ajoy K Ray; Prof. Jyotirmoy Chatterjee

09/2003–09/2007

## Bachelor of Engineering

Manipal Institute of Technology (MIT), Manipal University, (India)

Biomedical Engineering

*Supervisors:* Prof. Harishchandra Hebbar (SOIS, Manipal), Manjunatha Maiya (Philips Healthcare)

PERSONAL SKILLS

Mother tongue(s) Bengali

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
TOEFL (108/120)					
German	B1	B1	A2	A2	A2
Goethe Institute, Mannheim - B1.1					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Organisational / managerial skills Student Representative and Member of Administrative Committee (2013-14)  
 IEEE Engineering in Medicine and Biology Society  
 Chair, IEEE Education Society Students Activity Committee (2010 - 2013)

Computer skills Languages: C, C#, 8085 /8086 Assembly Language, Python  
 Software Packages: MATLAB, Visual Studio, Microsoft Office, PythonXY  
 Platforms: Windows XP, Windows Embedded CE

ADDITIONAL INFORMATION

Honours and awards IEEE Computer Society Richard E. Merwin Scholarships 2014 (April Cycle)  
 IEEE Student Leadership Award – administered and awarded by IEEE Education Society  
 A.T. Kearney Scholarship for the Falling Walls Conference, Berlin 2012  
 DAAD PhD Scholarships for 3 Yrs PhD studies at TU München  
 UK Commonwealth Scholarships 2012 for 3 Yrs PhD studies at Imperial College London. (*declined*)  
 Deans' Fellowship, IIT Kharagpur, Nov 2010 to attend IECBES 2010, Kuala Lumpur  
 IEEE Section Volunteer Award towards attendance of IECBES 2010 as Session Co-Chair  
 IEEE EMBS Sponsorship for attendance of EMBC 2010 as Founding Chair, IEEE EMB Student Club of IIT Kharagpur to receive EMB Best New Club/Chapter Award 2010  
 IEEE University Partnership Program, Special Opportunities Grant for travel to EMBC 2010, Buenos Aires, Argentina  
 Awarded with Merit Scholarships by Academic Culture & Promotion Society for excellent performance in National Level Talent Search Examination (Science) instituted at Bose Institute, Kolkata (Jan 1998).  
**Sports :**  
 Gold Medalist Manipal University Intercollegiate Table Tennis Championship '04

Publications Peer reviewed (referred) publications: 8 (Indexed)  
 Conference Abstracts : 4  
 Book Chapter: 1;  
 Invention disclosures: 2;  
 In communication/preparation manuscripts: 3