

# ATA CHIZARI

Biomedical Photonic Imaging (BMPI) | Technical Medical Centre (Techmed)  
Faculty of Science and Technology (TNW) | University of Twente, Enschede, The Netherlands  
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## Education

- University of Twente** Enschede, The Netherlands  
*PhD biomedical optics* Feb. 2017 – Oct. 2021
- Focus: Biomedical Optics
  - Thesis: Handheld laser speckle contrast perfusion imaging
  - Supervisor: Prof.dr.ir. Wiendelt Steenbergen
- Shahid Beheshti University (SBU)** Tehran, Iran  
*MSc (Hons) electrical engineering* Sep. 2013 – Sep. 2015
- Focus: Communication systems
  - GPA: 17.79/20.00 (3.81/4)
  - Thesis: Designing a dimmable overlapping-pulse-position-modulation-based visible light communication system under channel constraints
  - Supervisor: Dr. Akbar Dargahi
- Tafresh University** Tafresh, Iran  
*BSc (Hons) electrical engineering* Sep. 2009 – Sep. 2013
- Focus: Electronics
  - 18.72/20.00(3.96/4)
  - Thesis: Design and implementation of a remote control switching device for electricity keys with capability of easy installation
  - Supervisor: Dr. Ali M. Fotouhi

## Experience

- University of Twente** Enschede, The Netherlands  
Feb. 2017 – Exp. 2021
- Handheld laser speckle contrast perfusion imaging
  - Side stream dark field microscopy of developing chicken vasculature
  - Laser Doppler perfusion imaging using a high-speed camera
- Sharif University of Technology (SUT)** Tehran, Iran  
*Visitor research assistant at optical networks research lab.* Sep. 2014 – Sep. 2016
- Analog optical computing
  - Underwater wireless optical communications
  - Visible light positioning
- Shahid Beheshti University (SBU)** Tehran, Iran  
Sep. 2013 – Sep. 2015
- Visible light communication systems
  - Optical fiber communication systems
  - Simulation of random access networks
  - Simulation of data transmission through additive white Gaussian noise (AWGN) channels
- Tafresh University** Tafresh, Iran  
Sep. 2009 – Sep. 2013
- Microprocessor circuits
  - Printed circuit board (PCB) design
  - Complex programmable logic device (CPLD) circuits