Curriculum Vitae

PERSONAL INFORMATION

Name: **Suhail Salem Alshahrani**
Nationality: Saudi
Date of Birth: 24th Oct 1985
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King Saud University. P.O. Box 10219, Riyadh 11433
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EDUCATIONAL QUALIFICATIONS

- **December 2019**
  Degree: - PhD degree in Biomedical Engineering.
  University: - Wayne State University, Detroit, USA.
  College: - College of Engineering.
  Thesis: - Development of A Novel Ultrasound/Photo-acoustic Tomography System for Breast Cancer Imaging Using Full-ring Illumination Mode.

- **May 2019**
  Degree: - Master's degree in Biomedical Engineering.
  University: - Wayne State University, Detroit, USA.
  College: - College of Engineering.

- **February 2008**
  Degree: - Bachelor's degree in Biomedical Technology-Instruments.
  University: - King Saud University.
  College: - College of Engineering.

WORK EXPERIENCE

- **January 2020 - Current**
  Assistant Professor at the Department of Biomedical Technology, College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia.

- **October 2017 – January 2020**
  Lecturer at the Department of Biomedical Technology, College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia.

- **June 2011 – October 2017**
  Demonstrator at the Department of Biomedical Technology, College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia.

- **May 2009 – June 2011**
  Biomedical Specialist at Saudi Food & Drug Authority (SFDA), Riyadh, Saudi Arabia.

- **February 2008 – February 2009**
  Internship at the Clinical Engineering Department, King Abdul-Aziz Medical City, Riyadh, Saudi Arabia.

LAB EXPERIENCE

- **August 2020 - Current**
  Researcher at Medical Imaging and Signal Processing Lab, King Saud University, Riyadh, Saudi Arabia.

- **September 2017 – July 2019**
  Research Assistant at Barbara Ann Karmanos Cancer Institute, Detroit, MI, USA.

- **May 2015 – July 2019**
  Research Assistant at Functional and Molecular Ultrasound Research Laboratory at Wayne State University, Detroit, MI, USA.

ADMINISTRATIVE ASSIGNMENTS

- Member at the Biomedical Technology Department Council, College of Applied Medical Science, King Saud University.
- Assistant supervisor at the Technical Health Services Unit, College of Applied Medical Sciences, King Saud University.
- Head of The Graduate Committee Studies, Department of Biomedical Technology.
- Member at The Quality Committee, Department of Biomedical Technology.
- Member at The Laboratories Committee, Department of Biomedical Technology.

TEACHING ASSIGNMENTS

- BMT 336: Optical Biomedical Instrumentations
- BMT 334: Biomedical Imaging Equipment
- BMT 468: Project/ Clinical Practice

PUBLICATIONS AND CONFERENCES

- Alijabbari, Naser*, **Suhail S. Alshahrani***, Alexander Pattyn, and Mohammad Mehrmohammadi. "Photoacoustic Tomography with a Ring Ultrasound Transducer: A Comparison of Different Illumination Strategies." Applied Sciences 9, no. 15 (2019): 3094.

- **Alshahrani, Suhail Salem**, et al. "All-reflective ring illumination system for photoacoustic tomography." Journal of biomedical optics 24.4 (2019): 046004.

- Basij, Maryam, Yan Yan, **Suhail S. Alshahrani**, Hamid Helmi, Timothy K. Burton, Jay W. Burmeister, Michael M. Dominello, Ira S. Winer, and Mohammad Mehrmohammadi. "Miniaturized phased-array ultrasound and photoacoustic endoscopic imaging system." Photoacoustics 15 (2019): 100139.

- **Alshahrani, Suhail**, et al. "An advanced photoacoustic tomography system based on a ring geometry design." Medical Imaging 2018: Ultrasonic Imaging and Tomography. Vol. 10580. International Society for Optics and Photonics, 2018

- **Alshahrani, Suhail**, et al. "The Effectiveness of the omnidirectional illumination in full-ring photoacoustic tomography." 2018 IEEE International Ultrasonics Symposium (IUS). IEEE, 2018.

- Basij, Maryam, Yan Yan, **Suhail Alshahrani**, Ira Winer, Jacob Burmeister, Michael Dominello, and Mohammad Mehrmohammadi. "Development of an Ultrasound and Photoacoustic Endoscopy System for Imaging of Gynecological Disorders." In 2018 IEEE International Ultrasonics Symposium (IUS), pp. 1-4. IEEE, 2018.

- Basij, Maryam, Yan Yan, **Suhail S. Alshahrani**, Samaresh Sau, Arun Iyer, Shelly S. Seward, Jacob W. Burmeister, Michael Dominello, and Mohammad Mehrmohammadi. "Combined phased-array ultrasound and photoacoustic endoscope for gynecologic cancer imaging applications." In Medical Imaging 2018: Ultrasonic Imaging and Tomography, vol. 10580, p. 105800V. International Society for Optics and Photonics, 2018.

- **Alshahrani, Suhail**, et al. "Design and development of a full-ring ultrasound and photoacoustic tomography system for breast cancer imaging." 2017 IEEE International Ultrasonics Symposium (IUS). IEEE, 2017.

LANGUAGES

- Arabic
- English