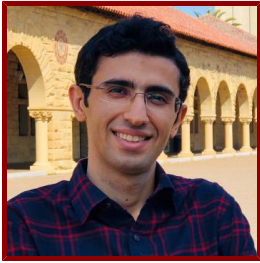


Stanford



Seyed Hossein Mirjahanmardi

Postdoctoral Scholar, Radiation Physics

Bio

BIO

Seyed Hossein Mirjahanmardi received his Ph.D. from the University of Waterloo, Canada, in 2020 with honors. His research and industrial experience span from Electromagnetics and RF design to Pathology Image Analysis using Artificial Intelligence algorithms.

HONORS AND AWARDS

- Outstanding Teaching Sandford Fleming Award, University of Waterloo (2019)
- Ontario PhD Nomination Award, Ontario (2020)
- IEEE Senior Member, IEEE (2022)
- Best Teaching Assistant Award, University of Waterloo (2018)
- Best Thesis Presentation Award, University of Waterloo (2018)
- Best Student Award, University of Waterloo (2017)
- Best Student Award, University of Waterloo (2016)
- Best Student Award, Amirkabir University of Technology (2014)
- 3MT Finalist, University of Waterloo (2018)

PROFESSIONAL EDUCATION

- Ph.D., University of Waterloo , Electrical and Computer Engineering (2020)

STANFORD ADVISORS

- Ruijiang Li, Postdoctoral Faculty Sponsor

PATENTS

- Seyed Hossein Mirjahanmardi, Omar Ramahi. "United States Patent 62909218 Computerized Tomography with Microwaves", Oct 1, 2019

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=joQ-ui0AAAAAJ&hl=en>

Publications

PUBLICATIONS

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- **Toward Computerized Tomography With Microwaves** *IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES*
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- **Permittivity Reconstruction of Nondispersive Materials Using Transmitted Power at Microwave Frequencies** *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*
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- **Intelligent Sensing Using Multiple Sensors for Material Characterization** *SENSORS*
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- **Highly Accurate Liquid Permittivity Measurement using Coaxial Lines**
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- **Forward Scattering from a Three Dimensional Layered Media with Rough Interfaces and Buried Object(s) by FDTD** *APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL*
Mirjahanmardi, S. H., Dehkhoda, P., Tavakoli, A.
2017; 32 (11): 1020-1028
- **Electromagnetic Scattering from a Buried Sphere in a Two-Layered Rough Ground**
Mirjahanmardi, S. H., Tavakoli, A., Zamani, H., Dehkhoda, P., IEEE
IEEE.2015: 506-507

PRESENTATIONS

- Microwave Imaging - University of Waterloo