

YASAMAN YOUSEFI SIGARI

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EDUCATION

University of Saskatchewan, Canada

2019 - Now

Ph.D. Candidate

Supervisor: Dr. Mark J. Boland

Major: Physics and Engineering Physics

Ferdowsi University of Mashhad, Iran

Master of Science in Physics

Ferdowsi University of Mashhad, Iran

Bachelor of Science in Physics

AWARDS AND SCHOLARSHIPS

Awards

- DAPI Divisional Best Poster Presentation First prize in CAP June 2023
- DAPI Divisional Best Poster Presentation First prize in CAP June 2021

Scholarships

- INSPIRE Fellowship Scholarship 2021-2024
- Dr. Theodore R. Hartz Graduate Scholarship 2021-2022
- WIM/WiN-SK Post-secondary Scholarship 2021
- Physics Scholarship University of Saskatchewan April 2020

WORK EXPERIENCE

- AOD Research Assistant at Canadian Light Source [Part Time]
- Tour guide at Canadian Light Source [Part-time] 2023 - now
- Member of mentorship circles in INSPIRE 2021 - now
- Vice-president at Iranian Society Council (ISC) 2021 - 2022
- Vice-president at PEGASUS (Physics Graduate Student Association) 2021- now

SKILLS

Programming: Python (Proficient), MATLAB, C++ (Basic), vim (text editor)

Operating Systems: Linux (Proficient)

Physics:

- Experience working with live data streams, fast data acquisition system, EPICS
- Experience with X-ray detector (Scintillating detectors) image data and analysis,
- Familiarity with imaging techniques and analysis tools,
- Experience with Accelerator Toolbox

PUBLICATION

- H. Shaker, D. Bertwistle, E.J. Ericson, Y.Yousefi Sigari, E. Soltan JACoW **IBIC2023** (2023), WEP036, doi:10.18429/JACoW-IBIC2023-WEP036
- Y. Yousefi Sigari, D. Bertwistle and M. Boland, JACoW **IPAC2021** (2021), MOPAB310 doi:10.18429/JACoW-IPAC2021-MOPAB310
- N. Simonson, M. Boland and Y. Yousefi Sigari doi:10.18429/JACoW-IPAC2021-THPAB276

PRESENTATION

- Poster: Touschek Scattering in fourth generation light sources, (**1st Prize**) CAP 2023
- Poster: Progress in Transverse Beam size measurements, (**1st Prize**) CAP 2021

LANGUAGE

- Farsi (Persian) Native
- English Proficient
- French Basic

PERSONAL TRAITS

Through being the vice-president of PEGASUS and active member since 2020, a tour guide at Canadian Light Source:

- Strong analytical and problem-solving skills
- Successfully organized students gathering in Physics department with highest attendance rate, team player.
- Exhibited independence & leadership in planning and executing events, showcasing organizational and project management capabilities.
- Adapted verbal communication style to effectively convey information to individuals with varying levels of background knowledge.
- Demonstrated the ability to handle unexpected questions and challenges with professionalism.