

Optics & Photonics Alumni Event

May 31st, 2022, 7-9 pm

University of Toronto

Location: St George Campus
Room: GB202 - Galbraith Building



Ryan Field

Senior Optical Systems Engineer
StarFish Medical

PhD, Physics
University of Toronto



Chris Dimas

Senior Optical Designer, L3Harris

MSc Physics
University of Toronto



Armaghan Eshaghi

Technical Program Manager / R&D Lead
Huawei Canada

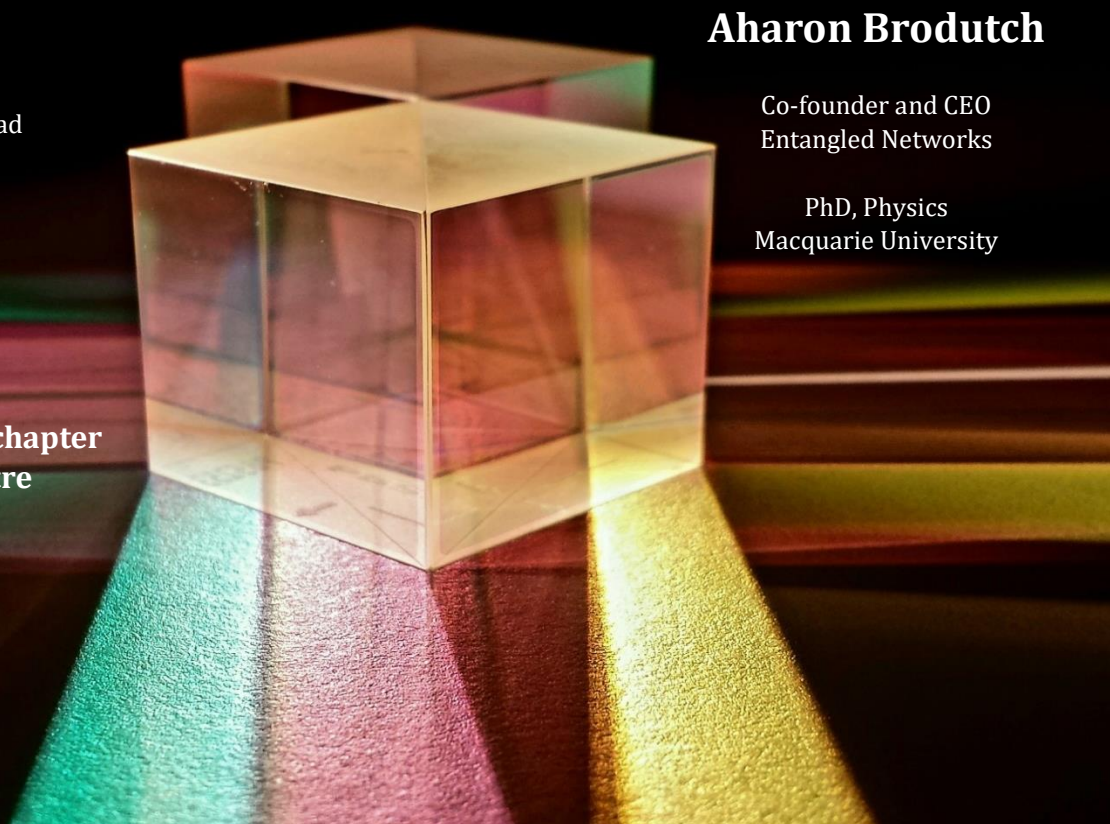
PhD, Electrical Engineering
University of Tehran



Aharon Brodutch

Co-founder and CEO
Entangled Networks

PhD, Physics
Macquarie University



Hosted by SPIE/OPTICA student chapter
& Photonics Innovation Centre
at University of Toronto

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Biographies

❖ Ryan Field

Dr. Ryan Field completed a PhD in physics at the University of Toronto in 2016. His doctoral research was focused on ultrafast spectroscopy and time-resolved electron diffraction of solid-state spin-crossover complexes. Dr. Field began working in the medical device industry as part of a Mitacs Elevate post-doctoral fellowship, working first at Synaptive Medical where he prototyped optical modules for one of the company's flagship neurosurgical products. The fellowship was later picked up by StarFish Medical, where Dr. Field was subsequently hired and now works full-time as a Senior Optical Systems Engineer. At StarFish Medical, Dr. Field works with multiple client companies on a wide variety of medical optical products including surgical lasers, diagnostic assays, and medical imaging devices.

❖ Armaghan Eshaghi

Dr. Eshaghi is currently an R&D lead in Huawei Canada, Toronto Research Center, where she leads a team of competent researchers in a multidisciplinary field. Their R&D is focused on building the next-generation data and signal processing hardware using optical technologies. She has track record of transitioning research and emerging technologies into successful prototypes and products. Prior to this, she spent a few years at University of Waterloo and the University of British Columbia as postdoctoral fellow and research scholar working with Prof. Safavi-Naeini and Prof. Lukas Chrostowski.

❖ Chris Dimas

Chris Dimas has been working in industry as an optical designer and researcher for 23 years. He has applied his B.Sc. and M.Sc. degrees in physics from the University of Toronto to the varied industries of biomedical, aerospace, military, and entertainment. Chris' current position is Senior Optical Designer at L3Harris (Wescam division).

❖ Aharon Brodutch

Dr. Aharon Brodutch is the CEO and co-founder of Entangled Networks, a Toronto based start-up developing solutions for multi-core quantum computing. Prior to Entangled Networks he held postdoctoral fellowships at the University of Toronto and the University of Waterloo where he did research on quantum information, quantum computing, quantum optics and the foundations of quantum mechanics. Aharon received his Ph.D. from Macquarie University and his M.Sc. from Tel Aviv University.

