

Welcome to attend an IEEE DL webinar on 17-Feb-2022

IEEE Photonics Society (PS) Sweden Chapter is proud to present Prof. Salah Obayya, Zewail City of Science and Technology, Giza, Egypt, as a speaker at this webinar entitled “**Computational Nanophotonics: Basics, Challenges and Future Perspectives**”. Prof. Obayya is one of six lecturers in the [IEEE Photonics Society Distinguished Lecturer \(DL\) Program](#). The program was designed to honor excellent speakers who have made technical, industrial, or entrepreneurial contributions to the field of photonics and to enhance the technical programs of the IEEE Photonics Society Chapters. Due to the Covid pandemic it will be a webinar.

Nanophotonics modelling for 21st century applications is becoming vital. The computational modeling provides a fundamental understanding of the relying physics behind the operation of photonic devices. However, computational modeling is still a challenge as some of the existing modeling techniques fail to capture the correct behavior of nano-photonic devices. In this regard, this talk will introduce an overview of the existing computational modeling tools for analyzing photonic devices, in general, and highlighting their salient features and shortcomings.

Date and time: Thursday, 17-Feb-2022, at 16:00-17:00 CET

Agenda:

- 16:00 Presentation of IEEE-PS Sweden Chapter
- 16:10 Prof. Salah Obayya, “**Computational Nanophotonics: Basics, Challenges and Future Perspectives**”
- 16:50 Q&A
- 17:00 End of webinar

[Link to more information about the event and registration](#)

Registration will close on **15-Feb-2022** and a link to a videoconferencing service will be distributed to the registrants on 16-Feb-2022

About the speaker:



Prof. Salah S A Obayya joined Zewail City of Science and Technology (ZC) in 2012 where he is now Chair Professor and Founding Director of Center for Photonics and Smart Materials (CPSM). He occupied the positions of the Vice Chairman of ZC and Director-General of Research Institutes at the same institution. Prior to Zewail City, he took up several academic posts at Brunel University UK (tenured Associate Professor, 2002), University of Leeds, UK (tenured Professor, 2006) and University of South Wales, UK (tenured Chair Professor, 2008) where he was the Founding Director of Photonics and Broadband Communications (PBC) Research Center and also he was the Director of Postgraduate Programs at the same institution. In May 2006, he has been naturalized as “British” citizen. He is an IEEE Fellow and a member of OSA, AAS, ACES, HEA, IET, and IOP.