



Computational Photonics: Theory and Applications

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This session is focused on computational modelling techniques for photonic devices employed in many disciplines including optical communications systems, particle characterization, optical metamaterials & metasurfaces, and symmetry-breaking nanophotonic structures. Fast and accurate numerical methodologies for the analysis of photonic structures aid the efficient design and optimization of their performance with respect to desired operational characteristics. Novel photonic designs stemming from the computational results of commercial software packages, as well as inverse problems in the context of computational nanophotonics, are also welcome.