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Graphene and Graphene Metamaterials for Terahertz Absorbers

Andryieuski, Andrei; Pizzocchero, Filippo; Booth, Tim ; Bøggild, Peter

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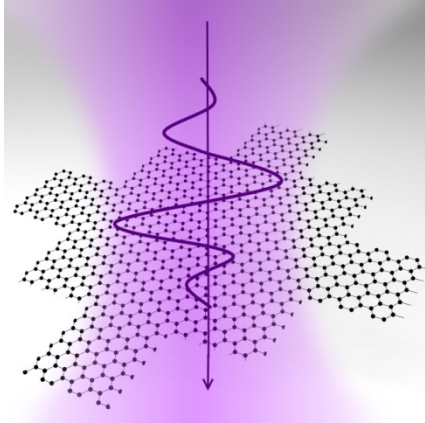
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Title:

Graphene and Graphene Metamaterials for Terahertz Absorbers

Affiliation:

Andrei Andryieuski, Andrei V. Lavrinenko - DTU Fotonik, DTU, Kgs. Lyngby, Denmark
Filippo Pizzocchero, Tim Booth, Peter Bøggild - DTU Nanotech, DTU, Kgs. Lyngby, Denmark

Research picture**Abstract**

Graphene, due to the possibility to tune its conductivity, is the promising material for a range of the terahertz (THz) applications, such as tunable reflectors, absorbers, modulators, filters and polarization converters. Subwavelength structuring of graphene in order to form metamaterials allows for even more control over the THz waves. In this poster presentation I will show an elegant way to describe the graphene metamaterials and the design of graphene based absorbers. I will also present our recent experimental results on the graphene absorbers characterization.

Portrait image**Mini-CV**

Andrei Andryieuski is currently a Postdoc at DTU Fotonik, Technical University of Denmark. He is primarily interested in graphene metamaterials and plasmonics for terahertz applications. He received M.Sc. degree in Physics from Belarusian State University (2008) and Ph.D. from Technical University of Denmark (2011).