

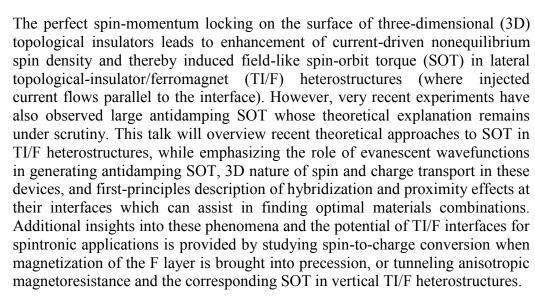
NEBRASKA CENTER FOR MATERIALS AND NANOSCIENCE 2016 SEMINAR SERIES PRESENTS



Professor Branislav Nikolić

Department of Physics & Astronomy University of Delaware

Anatomy of Spin-Orbit Torques In Topological-Insulator/ Ferromagnet Heterostructures



Branislav K. Nikolić is Professor of Physics at the University of Delaware and a Senior Visiting Scientist at RIKEN Center for Emergent Matter Science in Japan. He received his Ph.D. in theoretical condensed matter physics from Stony Brook University, and B.Sc. degree from the University of Belgrade, Serbia. He was visiting Professor at the University of Regensburg, National Taiwan University and Centre de Physique Théorique de Grenoble-Alpes. His research is focused on nonequilibrium many-body quantum systems, first-principles quantum transport and highperformance computing applied to nanostructures of interest to spintronics, nanoelectronics, thermoelectrics and nan-bio interface. His recent contributions include studies of the spin Hall effect in multiterminal geometries, spin pumping and spin torque in the presence of spin-orbit coupling, spin-dependent shot noise, nonequilibrium electron-magnon systems, and graphene nanopores for ultrafast DNA sequencing.

Wednesday, September 21, 4:30 pm | 136 Jorgensen Hall Refreshments at 4:15 in Jorgensen Atrium



Professor Bransilav Nikolić

Host:
Professor Alexey
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