



ACS Local Section
North Jersey

Improving the Spatial Specificity and Sensitivity of NMR



Speaker: Prof. Claudia Avalos
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New York University

Date: April 21st, 2022

Time: 12:00 pm ET via Microsoft Teams

Abstract

In this presentation I will review advances in the detection of surfaces and interfaces using solid-state NMR and how these techniques have been applied in materials science. In particular, I will discuss NMR signal enhancement using cross-effect dynamic nuclear polarization (DNP), as well as methods for generating non-equilibrium electron spin polarization optically with nitrogen-vacancy (NV) centers in diamond and designer chromophore-radical systems.

Connection Information

This will be a virtual meeting hosted via Microsoft Teams. A direct link to the meeting is located [HERE](#). Further information can be found on the NMR Topical Group website (<https://www.njacs.org/nmr-spectroscopy-topical-group>). Please reach out to Jonathan Williams (jwilliams@njacs.org) or Tom Popp (thomas.osbornpopp@rutgers.edu) with any questions.

Microsoft Teams meeting

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Presented by the NMR Topical Group – North Jersey ACS