



IVAN NMR Users Group

Sponsored by MR Resources and Q.One Instruments

Our Next IVAN Research Round-table Workshop on
Thursday February 24, 2022 at 12:00 PM ET.

“Advanced NMR analysis methods for challenging spectral data sets”

Dr. Michael Bernstein, Amber Analytical will lead the panel.

The topic of our November round-table workshop (Thursday February 24, 2022 @ 12:00 PM ET USA) will be a discussion of Advanced NMR analysis methods for challenging spectral data sets. Dr. Michael Bernstein, Amber Analytical will lead the panel that includes Prof. Daniel Holland, University of Canterbury, Christchurch, NZ, Prof. Erik von Harbou, Tech Univ. Kaiserslautern, Germany.

Quantitative analysis of NMR spectra is a challenging task when complex mixtures with many species are studied. This is especially true for process analysis e.g. in the chemical or food industry. Typically, the data sets are large and the concentration of the relevant species differ by orders of magnitude. Furthermore, since in this case usually only benchtop spectrometers can be used, the spectra usually show large peak overlap and low signal-to-noise ratio. In this talk, we will present an analysis method that is based on a quantum chemical model. Using examples - the analysis of wine and the monitoring of complex reactions - we demonstrate the strengths of this method.

As always, we encourage you to visit the IVAN web page <http://ivanmr.com>! You will find the links to past workshops and our recent IVAN ENC meeting on You Tube as well as the complete schedule of past and upcoming workshops.

Click on the link below to register and receive the meeting link!

You are invited to a Zoom meeting.

When: February 24, 2022 at 12:00 PM Eastern Time (US and Canada)

Register in advance for this meeting:

<https://us02web.zoom.us/meeting/register/tZwpc-qqjqkqEtTdlIiEkCUdIBTvOhtZs7De>

See You on February 24, 2022!

The 2022 Executive Committee of IVAN: Frank Delaglio, George Gray, Dan Iverson, Krish Krishnamurthy, Dave Rice, Dave Russell, Mike Strain, Don Bouchard (Q.One Instruments, Indianapolis), Marty Marek (Q.One Instruments, Chicago), Jeremy Lea (Quad systems AG), Ramon Rosales (MRR Mexico), Shellie Hammond (MRR), Eric Schatzlein (MRR) and Jon Webb (CEO of MRR and VP of Q.One Instruments)