



GESELLSCHAFT DEUTSCHER CHEMIKER  
ORTSVERBAND SIEGEN

## Ankündigung

Am Montag, 05. Juni 2023, spricht um 16:30 Uhr  
im Hörsaal AR-F 002 des Departments Chemie und Biologie

### **Prof. Dr. Richard Hartshorn**

School of Physical and Chemical Sciences  
University of Canterbury, Christchurch, New Zealand and  
Secretary General, International Union of Pure and Applied Chemistry

über das Thema

### **Chemical/Digital Standards and Their Implications for Your Chemistry and Mine**

Kaffeerunde ab 16 Uhr in Raum AR – H 100,  
organisiert durch das JungChemikerForum Siegen

Alle interessierten Kolleginnen und Kollegen,  
Mitarbeiterinnen und Mitarbeiter und Studierende  
sind zu diesem Vortrag herzlich eingeladen.  
Gäste sind herzlich willkommen.

Der Ortsverbandsvorsitzende  
Prof. Dr. Jörn Schmedt auf der Günne  
Tel. 0271 740-4219

## Chemical/Digital Standards and Their Implications for Your Chemistry and Mine

IUPAC ([www.iupac.org](http://www.iupac.org)) has a proud history in providing the essential tools for the application and communication of modern chemical knowledge, notably through the standards presented in the “colour books”. In the modern world, however, digital standards are going to be vital to chemistry and their consequences are coming to a research project near you.

In this presentation I will compare and contrast traditional and modern nomenclature issues. This will then lead to a discussion of changes in the ways that compounds are being presented in the literature and other documents. I will present my perspective on what this means for the future of structure representation in a FAIR world of chemical data (FAIR = Findable, Accessible, Interoperable, Reuseable), for CARE principles (CARE = Collective benefit, Authority to control, Responsibility, Ethics), and for education in Chemistry.

There will be some history, some explanation, some crystal ball-gazing, illustrative examples from our work in coordination chemistry (building heterodinuclear complexes and examining their potential for targeting drugs), and a few long names (merely because I have to play up to expectations of someone still involved in nomenclature development).

