

Invited talks Sven Rogge

2025

Invited talk

[Exploring the opportunities in strain engineering: From introducing flexibility in rigid MOFs to classifying elusive amorphous states](#) , S.M.J. Rogge , Inorganic Chemistry Seminar , Munich, Germany , **Fri, 01/08/2025**

Invited talk

[Exploring the opportunities in strain engineering: From introducing flexibility in rigid MOFs to classifying elusive amorphous states](#) , S.M.J. Rogge , Solid State Seminar , Graz, Austria , **Fri, 13/06/2025**

2024

Invited talk

[MOFs under "pressure"](#) , S.M.J. Rogge , Training School "MOF Computational Tools and Machine Learning" , Istanbul, Türkiye , **Mon, 14/10/2024 to Tue, 15/10/2024**

Invited talk

[Investigating cooperative and correlated multiscale phenomena in reticular materials through the micromechanical model: MicMec](#) , S.M.J. Rogge, J. Vandewalle, J. De Vos , CECAM Flagship Workshop , Montpellier, France , **Wed, 25/09/2024 to Fri, 27/09/2024**

2022

Invited talk

[Computationally understanding and designing functional materials for energy applications: From nanoscale to realistic mesoscale models](#) , S.M.J. Rogge, V. Van Speybroeck , CChESMate 1st Meeting: Climate Change and Energy Solutions through Materials Science , Lille, France , **Thu, 28/04/2022 to Fri, 29/04/2022**

Invited talk

[Harder, better, faster, stronger: Challenges and milestones in the computer-guided design of functional nanostructured materials](#) , S.M.J. Rogge , SMMEG Seminar Series , Oxford, United Kingdom (virtual meeting) , **Mon, 07/02/2022**

2021

Invited talk

[Harder, better, faster, stronger: Designing hydrophobic cage network materials for efficient high-rate shock absorption](#) , S.M.J. Rogge , FOR2433 meeting , Online , **Thu, 08/07/2021**

2020

Invited talk

[Ruling the free world - and other things computational chemistry can help you with](#) , S.M.J. Rogge , JungChemikerForum Dortmund, Gesellschaft Deutscher Chemiker , online , **Mon, 07/12/2020**

2019

Invited talk

[Unraveling the Thermodynamic Criteria for Size-Dependent Spontaneous Phase Separation in Soft Porous Crystals](#) , S.M.J. Rogge, M. Waroquier, V. Van Speybroeck , FlexMOF Symposium 2019 , Dresden, Germany , **Tue, 03/12/2019 to Thu, 05/12/2019**

2018

Invited talk

[Towards modeling long-range disorder in MOFs: Development of a computational toolbox to extend the length scale in molecular simulations](#) , S.M.J. Rogge, R. Demuyneck, A. De Vos, K. Hendrickx, K. Lejaeghere, G. Maurin, S. Vandenbrande, S. Vandenhaute, P. Van der Voort, L. Vanduyfhuys, T. Verstraelen, M. Waroquier, J. Wieme, V.

Van Speybroeck , CECAM workshop: Multi-scale modelling of flexible and disordered porous materials , Paris, France , **Mon, 11/06/2018 to Wed, 13/06/2018**

2016

Invited talk

[Orthogonal band gap engineering of UiO-66 frameworks through active control of defects](#) , K. Lejaeghere, A. De Vos, K. Hendrickx, S.M.J. Rogge, P. Van der Voort, V. Van Speybroeck , EMN Meeting 2016 on Active Matter , Las Vegas, NV, USA , **Mon, 10/10/2016 to Fri, 14/10/2016**

2015

Keynote

[Understanding The Flexibility In Metal-Organic Frameworks From molecular To Thermodynamic Insights](#) , L. Vanduyfhuys, S. Vandenbrande, R. Demuyne, S.M.J. Rogge, A. Ghysels, T. Verstraelen, M. Waroquier, V. Van Speybroeck , CHITEL2015 , Torino, Italy , **Sun, 26/07/2015 to Fri, 31/07/2015**