15th Years of Operando Spectroscopy
Bert Weckhuysen
6th International Congress on Operando Spectroscopy, Malaga, Spain

3D force networks in close-packed elastic shells under shear
Ajoy Kumar kandar
SCM group discussion meeting, SCM group, Utrecht,Netherlands

Advances in X-ray Micro-Spectroscopy of Heterogeneous Catalysts
Bert Weckhuysen
International Conference on X-ray Microscopy, Saskatoon, Canada

Bending and creeping: mechanical forces in nanofluidics
Jan Eijkel
Workshop Nanofluidics in physics and biology, Lyon

Boiling Taylor-Couette turbulence and Taylor-Couette turbulence of oil-water mixtures
Detlef Lohse
the Department of Mechanical Engineering, University of Melbourne, Melbourne, Australia

Bubble growth enhancement through rectified diffusion and microstreaming
Pablo Peñas
Burgers Symposium 2019, Lunteren, The Netherlands

Bubbles and Hydrogen
David Fernandez Rivas
KIVI minisymposium, Enschede, The Netherlands

Carbon-supported Cu2-xS nanoparticles for the electrocatalytic reduction of CO2
Christa van Oversteeg
8th Molecular Aspects of Catalysis by Sulfides conference, Cabourg (France)

Catalysis for the Production of Chemicals and Fuels from Biomass and CO2
Bert Weckhuysen
8th IUPAC International Conference on Green Chemistry, Bangkok, Thailand

Catalyst Live and Up Close
Bert Weckhuysen
Frontiers in Chemistry – ArmChemFront, Yerevan, Armenia

Catalyst Live and Up Close: Structure and dynamics probed with operando microscopy and spectroscopy
Bert Weckhuysen
8th Tokyo Conference on Advanced Catalytic Science and Technology, Yokohama, Japan

Catalyst Live and Up Close: The Clean Energy Transition
Bert Weckhuysen
4th International Symposium on Chemistry for Energy Conversion and Storage, Berin, Germany

Catalyst Live and Up Close: The Clean Energy Transition
Bert Weckhuysen
UK-Netherlands Bilateral International Meeting of the Royal Society and KNAW, Newport Pagnell, United Kingdom

Catalyst Live and Up Close: The Clean Energy Transition
Bert Weckhuysen
25th Canadian Catalysis Symposium, Saskatoon, Canada

Catalyst Live and Up Close: The Clean Energy Transition
Bert Weckhuysen
UKSR50: 50 years of Synchrotron Radiation in the UK and its global impact, Liverpool, United Kingdom

Catalyst Live and Up Close: The Clean Energy Transition
Bert Weckhuysen
18th International Symposium on the Relations between Homogeneous and Heterogeneous Catalysis, Sydney, Australia

Catalysts and Chemistry: Building a Sustainable Future
Bert Weckhuysen
Royal Institution, London, United Kingdom

Catalysts Live and Up Close - The Clean Energy Transition
Bert Weckhuysen
Stanford University and SLAC Linear Accelerator, Stanford, USA

Catalysts Live and Up Close - The Clean Energy Transition
Bert Weckhuysen
Albemarle Cooperation, Pasadena, USA

Catalysts Live and Up Close - The Clean Energy Transition
Bert Weckhuysen
Chemelot, Geleen, The Netherlands

Catalysts Live and Up Close - The Clean Energy Transition
Bert Weckhuysen
Maastricht University, Maastricht, The Netherlands

Catalytic and electrolytic bubbles
Detlef Lohse
the AkzoNobel Symposium on Frontiers in Chlorate, Chlor-alkali research and beyond, Sundsvall, Sweden

Catalytic and electrolytic bubbles
Detlef Lohse
the Department of Mechanical Engineering, Tsinghua University, Bejing, China

Catalytic Conversion of CO2 into Chemicals: Influence of Metal Particle Size and Reaction Conditions.
Bert Weckhuysen
International Conference on Catalysis and Surface Chemistry, Krakow, Poland

Chemistry of the aromatization of furanic compounds on zeolites
E. A. Uslamin
NCCC 2018, Noordwijkerhout, The Netherlands

CO oxidation over Pd/CeO2 powder catalysts: insights with Operando Near-Ambient Pressure XPS
V. Muravev
EuropaCat-2019, Aachen, Germany

Collective behavior of light switchable active matchstick colloids
AK Kandar
MCEC Annual meeting, Enschede, Netherlands

Confinement-Induced Reactivity in Zeolite-Catalyzed Diels-Alder Chemistry
Rohling, R. Y.
Symposium, Amsterdam, NL

Conversion of Synthesis Gas to Aromatics using Bifunctional Catalysis
Petra de Jongh
Natural Gas Conversion Symposium, San Antonio (Texas, USA)

Conversion of Synthesis Gas to Olefins and Aromatics using Bifunctional Catalysis at Industrially Relevant Conditions
Lennart Weber
NCCC, Noordwijkerhout, NL

Copper sulfide nanocrystals for photocatalytic applications
Christa van Oversteeg
Chains 2018, Veldhoven

Correlation between Pt states, oxygen mobility and catalytic activity in Pt/CeO2 composites for low-temperature CO oxidation
A. Boronin
"3rd Fundamentals and applications of cerium dioxide in catalysis" , conference, Barcelona, Spain

De wondere wereld van de nanotechnologie
H.J.W. Zandvliet
Week van de Wetenschap, Hengelo, Nederland

Deep Learning Co-adsorbate Interactions in Surface Catalysis
Bart Klumpers
12th European Conference on Computational and Theoretical Chemistry, Perugia, IT

Dense gas-particle flows with wet particle-particle interaction: A multi-scale approach
J.A.M. Kuipers
UK-China International Particle Technology Forum VII, Edinburgh, UK

Design and Optimization of the New In-house Code for Large Scale Simulations
M. Masterov
Experience exchange, Graz/Austria

Detailed Electronic Structure Analysis of the Diels-Alder Cycloaddition Between 2,5-Dimethylfuran and Ethylene over Transition Metal Exchanged Faujasites
Rohling, R. Y.
Conference, Noordwijkerhout, NL

Diffusive droplet dynamics in multicomponent fluid system
Detlef Lohse
the Nanobubbles Conference 2019, Suzhou, China

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
part 2 of the D. B. Robinson Distinguished Lecture at the Chemical and Material Engineering Department, University of Alberta, Edmonton, Canada

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
the Meeting of the German Physical Society, Berlin, Germany

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
the Conference of the International Association of Colloidal and Interface Scientists (IACIS), Rotterdam, the Netherlands

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
the NGP2 Symposium at the Department of Mechanical Engineering of the RWTH, Aachen, Germany

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
the Lorentz Center Workshop on Micro- and Nanofluidics, Leiden, Netherlands

Diffusive droplet dynamics in multicomponent liquid systems
Detlef Lohse
the JFM Symposium, Shenzhen, China

Direct Catalytic Valorization of Methane
E.J.M. Hensen
C1 Gas Refinery R&D Center, Korean Institute of Chemical Engineers, Daegu, South-Korea

Direct Catalytic Valorization of Methane
E.J.M. Hensen
Shell Global Experts Meeting, Amsterdam, The Netherlands

Direct Conversion of Synthesis Gas to Aromatics
Lennart Weber
MCEC wrap-up, Utrecht, NL

Direct numerical simulation of hot-spots in packed bed reactors
V. Chandra
International Conference on Computational Fluid Dynamics, Melbourne, Australia

Direct Numerical Simulation of three-phase flows
J.A.M. Kuipers
Workshop "Challenges in Multiphase Flows", Prato, Italy

Double diffusive convection
Detlef Lohse
the Summer Workshop in Woods Hole, Cape Code, MA, USA

Double diffusive convection
Detlef Lohse
the Department of Mechanical Engineering, Tsinghua University, Bejing, China

Droplets and bubbles with phase transition
Detlef Lohse
part 1 of the D. B. Robinson Distinguished Lecture at the Chemical and Material Engineering Department, University of Alberta, Edmonton, Canada

Droplets and bubbles with phase transition
Detlef Lohse
Colloquium at the Physics Department of the University of Bonn, Bonn, Germany

Droplets and bubbles with phase transition
Detlef Lohse
Colloquium at the Physics Department of the University of Amsterdam, Amsterdam, the Netherlands

Droplets and bubbles with phase transitions
Detlef Lohse
the JFM Symposium, Hangzhou, China

Droplets on petterned surfaces
José
Seminar, Madrid, Spain

Electrocatalyzing the energy transition, e-Refinery lecture
E.J.M. Hensen
TUDelft, Delft, The Netherlands

Elucidating the interface energetics of CuBi2O4 photoelectrodes for enhanced performance
Freddy E Oropeza
NCCC, Noordwijkerhout

Elucidation of the chain-growth and oxygen removal mechanism in the Fischer-Tropsch reaction over iron carbide surfaces
RJP Broos
Syngasconvention 3, Cape Town, South Africa

Elucidation of the chain-growth mechanism in the Fischer-Tropsch reaction on iron carbide surfaces
RJP Broos
NCCC 2018, Noordwijkerhout, The Netherlands

Experimental investigation of heat transport in inhomogeneous bubbly flow
On-Yu Dung
71st Annual Meeting of American Physical Society Division of Fluid Dynamics, Atlanta/ United States

First-principles microkinetic modelling of methane-to-ethylene conversion on Mo-ZSM5
Francesco Cannizzaro
School of theoretical chemistry and spectroscopy, Han-sur-lesse (BE)

Fluid Dynamics: Challenges for the 21st century
Detlef Lohse
Balzan Prize lecture, Rome, Italy

From fundamental insight into catalytic active sites to novel chemical processes, Molecular Aspects of Catalysis by Sulfides
E.J.M. Hensen
MACS-VIII, Caen, France

Fundamentals of metal-catalyzed Cox hydrogenation and CO oxidation
E.J.M. Hensen
University of Science and Technology of China, Hefei, China, Hefei China

Giant and explosive plasmonic bubbles by delayed nucleation
Detlef Lohse
the Euromech Fluid Mechanics Conference (EFMC), Vienna, Austria

Giant and explosive plasmonic bubbles by delayed nucleation
Detlef Lohse
the conference GDR n3535 “Liquides Aux Interfaces” in honor of Elisabeth Charlaix, Bordeaux, France

Heat transport in bubbly flows and Mayonnaise-Couette flow
Sander Huisman
Max Planck Meeting, Mainz, Germany

Heterogeneous catalysis for photo(electro)chemical conversion in future energy transition scenarios
E.J.M. Hensen
Photo4Future,, Eindhoven, The Netherlands

Heterogeneous Catalysis: Can We Design?
E.J.M. Hensen
Karlsruhe Institute of Technology, Karlsruhe, Germany

Hierarchical Multiscale Reactor Modelling
Ivo Filot
Differ seminar, Eindhoven, The Netherlands

Hierarchical Zeolites for Hydrocarbon Conversion
E.J.M. Hensen
Catalytic Hydroprocessing in Oil Refining, Lyon, France

Hunting for the Hidden Chemistry in Solid Catalysts: Towards a Molecular Movie
Bert Weckhuysen
University of Oslo, Oslo, Norway

Hunting for the Hidden Chemistry in Solid Catalysts: Towards a Molecular Movie.
Bert Weckhuysen
Solvay, Lyon, France

Hunting for the Hidden Chemistry in Solid Catalysts: Towards a Molecular Movie.
Bert Weckhuysen
Umicore, Hanau, Germany

Hunting for the Hidden Chemistry in Solid Catalysts: Towards a Molecular Movie
Bert Weckhuysen
7th EuCheMS, Liverpool, United Kingdom

Impact, spreading, and solidification of liquid droplets on supercooled surfaces
Detlef Lohse
APS-DFD, Atlanta, Georgia, USA

Influence of bubble growth at the catalytic surface on heat and mass transfer in gas-liquid-solid microreactors
Renée M. Ripken
Conference, IMRET, Karlsruhe, Germany

Introduction to Direct Numerical Simulation of multiphase flows using the Front Tracking method
J.A.M. Kuipers
School "Challenges in Multiphase Flows", Prato, Italy

ion transport in membrane processes
Rob Lammertink
Iontronics, Utrecht, NL

ion transport interfaces
Rob Lammertink
Membrane Forum, Kopenhagen, Denmark

Jamming and rheology of colloidal suspensions
Rob Lammertink
Interview, ET, University of Twente, Enschede, Netherlands

Luminescence Thermometry: Fundamentals and Applications
Robin Geitenbeek
MCEC Anniversary, Utrecht, The Netherlands

Magnetophoretic Sorting of Single Catalyst Particles
Anne-Eva Nieuwelink
NCCC, Noordwijkerhout, NL

Mayonnaise–Couette Flow
Sander Huisman
PoF 20 event, Enschede, Netherlands

Mechanism of Cobalt-Catalyzed Fischer-Tropsch Synthesis
E.J.M. Hensen
Syngas Convention 3, Cape Town, South Africa

membranes and microfluidics
Rob Lammertink
IFPEN, Paris, France

Metal-Organic Framework Nano-Webs as Heterogeneous Catalysts
L. Mandemaker
MOF2018 conference, Auckland, New-Zealand

Metal-Organic Framework Thin-Films
Laurens D. B. Mandemaker
NCCC 2019 Conference, Noordwijkerhout

Methane Aromatization on Mo/ZSM-5
E.J.M. Hensen
Kaust Catalysis Center Symposium, Thuwal, Saudi-Arabia

Methane dehydroaromatization
E.J.M. Hensen
TOCAT-8, Yokohama, Japan

Microkinetic Modeling
Ivo Filot
Syngas 3 Autumn School, Cape Town, South Africa

Micromachined electrodes for membraneless electrolyzers
Peter van der Linde
MESA+ day 2018, Enschede /The Netherlands

Morphology of sessile droplets on decorated substrates
JoséM. Encarnacion Escobar
University Carlos III, Madrid, Spain

Multiphasic microfluidic for catalysis
Corentin Tregouet
Max plank center annual meeting, Mainz (Germany)

Multiscale Modeling in Fischer-Tropsch synthesis: Optimizing the formation of longer hydrocarbons
Ivo Filot
Syngas 3 Conference, Cape Town, South Africa

Multiscale Modeling in Heterogeneous Catalysis
Ivo Filot
Exxon-Mobil workshop, Brussels, Belgium

Multi-scale modelling of mass, momentum and heat transport in dense bubbly flows
Kuipers, J.A.M.
2nd International Workshop Non-Invasive Experimental Tools and Numerical Methods for the Investigation of Non-Reactive and Reactive Gas-Liquid Flows, Hamburg, Germany

Multi-Scale simulation of mass, momentum and heat transfer in dispersed multiphase flows with deformable interfaces
Kuipers, J.A.M.
BIRS-CMO workshop "New Frontiers in Multiphase CFD for the 21st Century Energy Mix, Oaxaca, Mexico

MULTI-SCALE SIMULATION OF TWO-PHASE AND THREE-PHASE FLOWS
J.A.M. Kuipers
International Workshop on Three-Phase Flow Modelling and Simulation -TPFMS2019, Ningbo, China

MULTI-SCALE SIMULATION OF TWO-PHASE AND THREE-PHASE FLOWS
J.A.M. Kuipers
INCHEM TOKYO 2019, Tokyo, Japan

Nanofluidics: Fundamentals and Applications
Jan Eijkel
The Second International Conference of Microfluidics, Nanofluidics, and Lab-on-a-Chip, Beijing

Nanofluidics: observed phenomena, (tentative) explanations and applications
Jan Eijkel
Seminar, Technion, Haifa

Nanoscale Catalyst Filming of Zeolite-based Catalysts
Bert Weckhuysen
3rd Scientific-Technological Symposium on Catalytic Hydroprocessing in Oil Refining, Lyon, France

Novel elemental 2D materials
H.J.W. Zandvliet
Workshop on 2D materials, Bucharest, Romania

Novel elemental 2D materials
H.J.W. Zandvliet
EWEG2D conference, Salmanca, Spain

Nucleation and hydrodynamics
Giulia Fiorucci
Wrap up meeting MCEC, Utrecht University

Numerical Simulation of a Bubble Column Using Hybrid RANS/LES and DSMC Methods
M. Masterov
Turbulence Contact Day, Delft, Netherlands

Numerical Simulation of a Bubble Column Using Hybrid RANS/LES and DSMC Methods
M. Masterov
Burgers Symposium 2018, Lunteren/Netherlands

Numerical Simulation of a Bubble Column Using Hybrid RANS/LES and DSMC Methods
M. Masterov
CFD-2018, Melbourne/Australia

On Large Scale Simulation of Dense Bubbly Flows
M. Masterov, M.W. Baltussen, J.A.M. Kuipers
Burger's Simposium, Lunteren, Netherlands

Operando Near-Ambient Pressure XPS study of CO oxidation over Pd/CeO2 powder catalysts
V. Muravev
"3rd Fundamentals and applications of cerium dioxide in catalysis" , conference, Barcelona, Spain

Operando Near-Ambient Pressure XPS study of CO oxidation over Pd/CeO2 powder catalysts
V. Muravev
NCCC, Noordwijkerhout, NL

Partical Resolved Simulations of Dense Gas-Particle Flows
Kuipers, J.A.M.
The 2nd International Symposium on Computational Particle Technology, Melbourne, Australia

Particle Resolved Simulation of Mass, Momentum and Heat Transport in Reactive Dense Gas-Particle Systems
J.A.M. Kuipers
Visit to group prof. Sakai, Tokyo, Japan

Particle Resolved Simulations of Dense Gas-Particle Flows
J.A.M. Kuipers
Chemical Engineering Seminar, UCL, London, UK

Photoelectron spectroscopy for functional characterization of photoelectrodes
Freddy E Oropeza
RE-Charge symposium - Catal towards green chemistry 2019, mülheim an der ruhr

Plasmonic bubble nucleation in binary liquids
Marvin Detert
APS/DFD annual meeting, Seattle/USA

Preparation of ordered macroporous α-alumina catalyst supports
Petra Keijzer
CHAINS, Velthoven, Netherlands

Probing Electromagnetic Modes at Optical Frequencies with Eu3+-Doped Nanocrystals
Freddy Rabouw
Nanoge conference, Torremolinos, Spain

Putting Solid Catalysts in the Picture: Towards a Molecular Movie
Bert Weckhuysen
25th Canadian Catalysis Symposium, Saskatoon, Canada

Quenching pathways in NaYF4:Er3+,Yb3+ upconversion nanocrystals
FT Rabouw
Nanax conference, Sep 2019, Hamburg, Hamburg

Rational Design of Heterogeneous Catalysts
E.J.M. Hensen
Johnson-Matthey, Sonning, United Kingdom

Realizing efficient energy storage in chemicals – CO and CO2 hydrogenation to liquid and gaseous fuels
E.J.M. Hensen
ARC CBBC Symposium, Eindhoven, The Netherlands,

Recent Advances in the Multi-scale Simulation of Mass, Momentum and Heat Transfer in Dense Gas-Particle Flows
J.A.M. Kuipers
Fluidization XVI, Guilin, China

Recent Advances in the Multi-scale Simulation of Mass, Momentum and Heat Transfer in Multiphase Chemical Reactors
J.A.M. Kuipers
Zhang Dayu Lectureship at DICP, Dalian, China

Rheology and microstructure of colloidal suspension
Ajoy Kumar kandar
Other events (Job talk), SABIC,Petrochemical manufacturing company, Geleen, Netherlands

Role of photoreduced surface states in the photoelectrochemical properties of CuBi2O4
Freddy E Oropeza
CHAINS conferences 2018, Veldhoven

Roughness and bubbles in turbulent Taylor-Couette flow
Sander Huisman
Other, Delft, Netherlands

Shear and activation induced crystallization and melting of colloids
AK Kandar
Seminar, Institute of Physics, Johannes Gutenberg-Universität Mainz (JGU), Germany (2019), Johannes Gutenberg-Universität Mainz (JGU), Germany (2019)

Shearing long-range repulsive colloids : crystallization and melting
Ajoy Kumar kandar
Other events (Job talk), IIT kanpur, India

Single-atom catalysis: Pd-ceria
E.J.M. Hensen
2nd International Symposium on Single-Atom Catalysis (ISSAC-2), Beijing, China

Solid Catalysts Live and Up Close: Spectroscopy and Microscopy of Inorganic Materials Go Nano
Bert Weckhuysen
4th International Conference on Advanced Complex Inorganic Nanomaterials, Namur, Belgium

Some thoughts on open access
Detlef Lohse
the KNAW symposium on open access, Amersfoort, Netherlands

Spanwise varying sand-grain roughness in turbulent Taylor-Couette turbulence
Sander Huisman
, Atlanta, USA

Supported atoms, cluster and nanoparticles: understanding structure sensitivity in heterogeneous catalysis
E.J.M. Hensen
Southeast Asia Catalysis Conference, Singapore

Supported silver catalysts prepared via melt infiltration: Synthesis, characterization and catalytic performance
Petra Keijzer
NCCC, Noordwijkerhout, Netherlands

Supported silver catalysts prepared via melt infiltration: Synthesis, characterization and catalytic performance
Petra Keijzer
APCAT-8, Bangkok, Thailand

Supported silver catalysts prepared via melt infiltration: Synthesis, characterization and catalytic performance
Petra Keijzer
E-MRS fall meeting, Warschau, Poland

Surprises in the Self-Assembly of Colloids in Spherical Confinement
Alfons van Blaaderen
Research Colloquium Leibniz Institute for New Materials, Saarbrücken, Germany

Surprises in the Self-Assembly of Colloids in Spherical Confinement
Alfons van Blaaderen
19th International Microscopy Congress IMC19, Sydney, Australia

Synergy in furanics and methanol co-aromatization on HZSM-5 zeolite: a mechanistic basis.
E. A. Uslamin
Dutch Zeolite Association symposium, Amsterdam, The Netherlands

Synthesis of supported silver catalysts using melt infiltration
Petra Keijzer
ACIN conference, Namur, Belgium

Synthesis, Stability and Activity of Surface-mounted MOFs
L. Mandemaker
docMOF2018 conference, Raitenslach, Germany

TBA
J.A.M. Kuipers
Workshop on Computational Engineering, Jinan, China

The Active Site in Catalysis
Bert Weckhuysen
Danish Academy of Science, Kopenhagen, Denmark

The Diels-Alder Cycloaddition over Transition Metal Exchanged Faujasites
Rohling, R. Y.
Conference, Los Angeles, USA

the influence of wall roughness on bubble drag reduction in Taylor-Couette turbulence
Sander Huisman
ICTW, Marseille, France

The nature of the active sites in Pd/CeO2 for environmental catalysis
E.J.M. Hensen
3rd International Symposium on the Catalytic Science and Technology in Sustainable Energy and Environment (EECAT-3), Tianjin, China

The Optimal Particle Size for Cobalt-based Fischer-Tropsch Synthesis
Michel van Etten
NCCC, Noordwijkerhout

The Optimal Particle Size for Cobalt-based Fischer-Tropsch Synthesis
Michel van Etten
Europacat, Aachen

The Role of Catalysis in the Clean Energy Transition
E.J.M. Hensen
DIFFER, Eindhoven, The Netherlands

Towards a sustainable chemistry industry
E.J.M. Hensen
3rd InSciTe Annual Symposium, Venlo, The Netherlands

Ultimate thermal turbulence and asymptotic ultimate turbulence induced by wall- roughness
Detlef Lohse
the Australian Fluid Dynamics Conference, Adelheide, Australia

Ultrasound-enhanced mass transfer

during single bubble diffusive growth
Pablo Peñas
Acoustofluidics, Enschede, The Netherlands

Ultrasound-enhanced mass transfer

during single bubble diffusive growth
A. Moreno Soto
APS Division of Fluid Dynamics 2019 Meeting, Seattle, USA

Valorization of lignocellulosic biomass: from catalytic chemistry to novel processes
E.J.M. Hensen
18th Nordic Symposium on Catalysis, Copenhagen, Norway

Valorization of lignocellulosic biomass: from catalytic chemistry to novel processes
E.J.M. Hensen
iCAT symposium, University of Hokkaido, Sapporo, Japan

Water-dispersible copper sulfide nanocrystals for photocatalytic applications
Christa van Oversteeg
NCCC XIX, Noordwijkerhout

Water-dispersible copper sulfide nanocrystals via ligand exchange
Christa van Oversteeg
E-MRS fall meeting 2018, Warschau, Poland