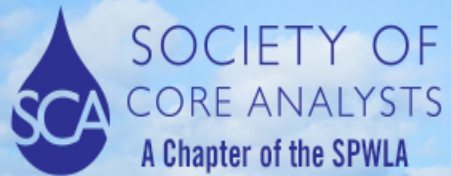


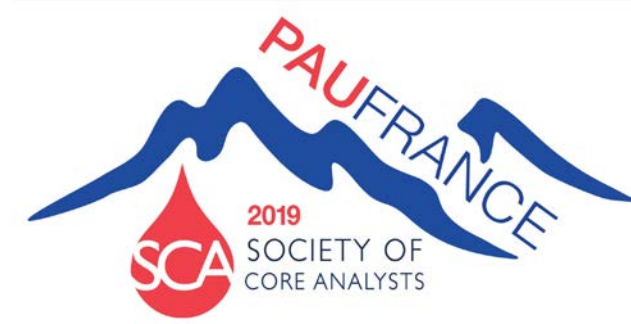
Bienvenue à Pau!



2019 Annual
Symposium
Pau, France



Short Course Program: Numerical Interpretation of Data



9:00 – 9:10

Welcome

9:10 – 10:40

Numerical History Matching of SCAL Data; Best Practice

Presenters: Jos Maas & Jules Reed

10:40 – 11:00

Coffee Break

Kindly Sponsored by: AMETEK Chandler Engineering

11:00 – 12:30

Interpretation of Pore Scale Experiments; Alternative Descriptions of Porous Media Flow by Topological Means

Presenters: Ryan Armstrong & Steffen Berg

12:30 – 12:35

Closing Remarks

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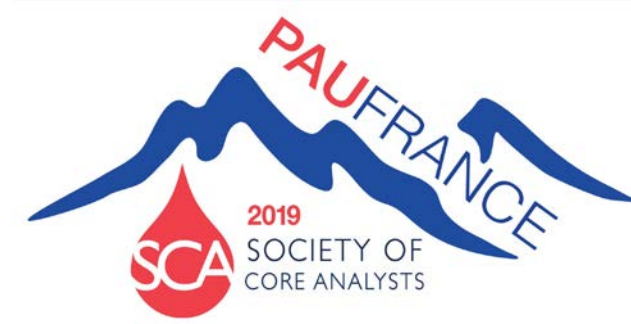
12:35 – 1:30

Lunch

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Jos Maas obtained his PhD in Experimental Physics from the University of Amsterdam. As part of that work, he wrote software to simulate his mass spectrometer in order to improve the interpretation of his experiments. Interpretation-by-simulation has remained a continuous factor in his career of over 40 years in the petroleum industry, the larger part of that working for Shell. He has held a variety of positions, including Head of the SCAL R&D group at Shell. Presently, he is an independent consultant and Associate to PanTerra Geoconsultants. He is the author of the web-based SCAL simulator SCORES.

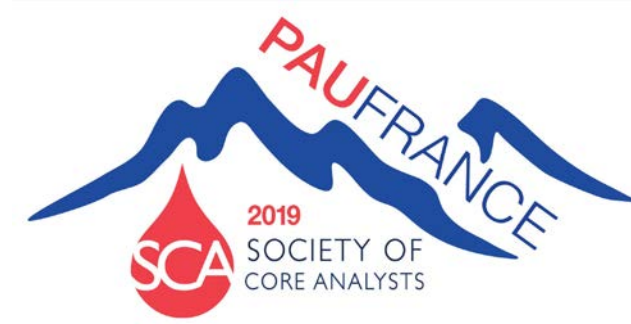


Jules Reed has over 25 years' experience in core analysis. He is a Past President of the Society of Core Analysts (SCA) and co-author of the book, "Core Analysis: A Best Practice Guide". His main areas of focus have been in experimental design, data quality and data interpretation; particularly regarding wettability, capillary pressure and dynamic processes.

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Steffen Berg is a senior researcher at Shell Global Solutions International B.V. in the Netherlands. His main research interests range from the fundamental aspects of multiphase flow in porous media and Digital Rock to CO₂ sequestration and enhanced oil recovery. He is a subject matter expert for SCAL. He holds a master's degree in materials science from the University of the Saarland and a PhD in physics from the University of Mainz / Max Planck Institute for Polymer Research at Mainz, Germany.

After a postdoc at Princeton University he joined Shell as a research scientist. He is currently also a visiting reader in the Earth Science & Engineering and Chemical Engineering departments at Imperial College London.



Ryan Armstrong is a Senior Lecturer in the School of Minerals and Energy Resources at the University of New South Wales located in Sydney, Australia. He specializes in Digital Rock Technology and pore-scale physics. Prior to UNSW, he was a member of the Rock and Fluid Science Team at Shell Global Solutions International B.V., where he worked with pore-scale modeling tools for digital core analysis.

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