



5th School on Sandstone Diagenesis

Controls on Sandstone Diagenesis

7th - 14th September 2024, Granada, Spain



We are happy to announce the 5th School on Sandstone Diagenesis. This year the school will be held at the Stratigraphy Department at the University of Granada (Spain) from the 7th to the 14th of September. We will tackle both traditional and innovative concepts for enhanced understanding of controlling processes on diagenesis with a strong focus on data acquisition, interpretation, and modelling.

The school provides a state-of-the-art review of the following topics: (i) pre-deposition controlling parameters that determine the generation and redistribution of sediments within sedimentary environments; (ii) hydraulic sorting and depositional facies as predisposing factors on early diagenesis; (iii) relationships between sedimentology and diagenetic processes; (iv) modelling of compositional data as tool for understanding and predicting texture; (v) how sand transforms to sandstone: controls on compaction and the formation of carbonate, clay mineral, and quartz cements and replacements (vi) predicting reservoir quality: carbon capture and geothermal energy case studies.

For the first time we dedicate two days to workshops involving Triassic sandstones that have been studied extensively using an exceptional outcrop/behind outcrop dataset from the Sedimentary Reservoirs Workgroup of the University of Granada. Workshops will consider 3D outcrop models, cores, logs, petrographic and core analysis data, and diagenetic models for this dataset, which is a shallowly buried analog for several more deeply buried reservoirs in Northwestern Africa.

Course Leaders

Dr. Luca Caracciolo (FAU Erlangen-Nuremberg, GER)
Dr. Linda Bonnell (Geocosm LCC, Durango, CO, USA)
Dr. Robert Lander (Geocosm LCC, Durango, CO, USA)
Dr. Dr. William Heins (Getech Group, Leeds, UK)

Speakers

Prof. Cesar Viseras (University of Granada, ESP)
Dr. Luis Miguel Yeste (University of Granada, ESP)
PhD candidate Meike Janssen (FAU Erlangen-Nuremberg, GER)
Dr. Steven Crews (Chargerisk.com, USA)

Participation fees

PhD students **800 €**
Post-Docs and Academic staff **1200 €**
Professionals from the Industry **2000 €**

Registration deadline: 01.06.2024

Info: <https://www.gzn.nat.fau.eu/applied-sedimentology/diagenesis>

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