



XVII ICC
ISTANBUL 2022
25 -29 JULY



ICC 2022 DETAILED PROGRAM

26 July 2022, Tuesday

TS03 + TS14 Paleoenvironments, diagenesis, provenance of sedimentary Deposits

Convener: Yuan, P., Aranda, P., Lazzara, G., Thill, A., Liu, M., Pasbakhsh, P.

- 9:45** **PHY-1019-Geochemistry, mineralogy, and genesis of kaolin deposits of Kachchh, Western India and its diverse industrial application**
Jaymeet Solanki, Gaurav Chauhan, M. G. Thakkar
- 10:00** **PHY-1033-Impacts of Chemical Pre-treatments on the Hydrogen Isotope Composition of Clay Minerals**
Nadine J. Kanik, Artur Kuligiewicz, Arkadiusz Derkowski, Jeffrey T. Cullen
- 10:15** **PHY-1091-Hafnium-Neodymium isotopes coupled to clay mineralogy as proxies of provenance and weathering during the late Cretaceous**
Pauline Corentin, Emmanuelle Pucéat, Pierre Pellenard, Michel Guiraud, Justine Blondet, Nicolas Freslon, Germain Bayon, Thierry Adatte
- 10:30** **PHY -1022-Oxygen and hydrogen analysis in clay minerals from Lower Cretaceous palaeosols by NanoSIMS: palaeoclimatic deductions**
Elisa Laita, Maria Angels Subirana, Dirk Schaumlöffel, Alfonso Yuste, Blanca Bauluz
- 10:45** **PHY -1058-Crystallochemical control on the hydrogen isotope exchange in Smectites**
Anna Szreter, Arkadiusz Derkowski



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- 11:15** **PHY -1072-Modelling trace-element mobility during tephra alteration in a lacustrine setting using glass phase and clay separate LA-ICP-MS geochemistry**
- 11:30** **PHY -1075-Provenance control on mineralogy and geochemistry of marine sediments of South Aegean Sea**
- 11:45** **PHY -1101-Geochemical characterization of raw and glazed ceramics from historical buildings of Marrakech area in Morocco as a provenance tracer**
- 12:00** **PHY -1187-Kinetics of Post-Depositional Isotopic Exchange in Clay-Water Systems**
- 14:45** **PHY -1405-Statistical Interpretation of the Relation Between Geochemical and Mineralogical Data Obtained from Lake and Floodplain Sediments (Amuq Valley / Turkey)**
- 15:00** **VRT-1303-Terrestrial paleoclimate changes recorded by Pleistocene red earth deposits at the Gaolingpo paleolithic site, Bose Basin, South China**
- 15:15** **VRT-1312-Clay mineralogy in Permian-Triassic boundary K-bentonites at Dongpan (Guangxi, South China) and their paleoenvironmental significance**
- 15:30** **PHY-1191 History of Sile clays: More detail provenance perspective**