

ROCKS AND THE RISE OF ORDOVICIAN LIFE

Filling knowledge gaps in the Early Paleozoic
Biodiversification and Promoting Geological Heritage



CHAIRS



**PR. KHADIJA
EL HARIRI**



**DAVID
HARPER**



**BERTRAND
LEFEBVRE**



**ABDERRAZAK
EL ALBANI**



**ALYCIA
STIGALL**

KEYNOTE SPEAKERS



**JAVIER ORTEGA
HERNANDEZ**



**DAVID
HARPER**



**ALYCIA
STIGALL**



**THOMAS
SERVAIS**

DAY 1

Wednesday October 19th 2022

CHAIR: PR. KHADIJA EL HARIRI

09H00 - 09H30 OPENING CEREMONY

- Abdellatif MIRAOUI, Minister of Higher Education, Scientific Research and Innovation.
- Karim Kassi-LAHLOU, Wali Marrakesh – Safi Region
- My EL Hassan HBID, President Cadi Ayyad University
- Moha TAOURIRTE, Dean Faculty of Sciences and Technics
- David HARPER, Chairman of International Commission on Stratigraphy (ICS)
- Thomas SERVAIS, Chairman of Subcommission on Ordovician Stratigraphy (ISOS)
- Bertrand LEFEBVRE, Co-Leader IGCP 735

09H30 - 10H00 COFFEE BREAK AND POSTER SESSION

CHAIR: DAVID HARPER

10H00 - 11H00 KEYNOTE 1 - JAVIER ORTEGA HERNANDEZ

Preservation and evolutionary significance of fossilized central nervous systems in Paleozoic metazoans

11H00 - 11H20 TALK 1 - AZIZI ET AL.

Diverse microbially induced sedimentary structures from the later Ediacaran-early Cambrian Tabia Member in the western Anti-Atlas, Morocco

11H20 - 11H40 TALK 2 - BELKACIM ET AL.

The lower to middle Cambrian formations of Zaouite Ouzdine Central (Anti-Atlas): Potential geoheritage for science, education and geotourism

11H40 - 12H10 TALK 3 - EL BAKHOUC ET AL.

Small Shelly Fossils from the Cambrian Series 2-Cambrian Series 3 succession of the High Atlas Mountains, Morocco

12H10 - 12H30 TALK 4 - ORTEGA ET AL.

Trilobite legs from high latitudes: exceptional preservation in a paradoxidid from the mid-Cambrian Tatelt Formation of Morocco

12H30 - 14H30 LUNCH

DAY 1

Wednesday October 19th 2022

CHAIR: BERTRAND LEFEBVRE

14H30- 15H30 KEYNOTE 2 – DAVID HARPER

Late Ordovician (Katian) brachiopod biodiversity in and adjacent to the Iapetus Ocean: the significance of localized high-diversity hot spots

15H30- 15H50 TALK 5 - CANDELA ET AL.

Lower Ordovician brachiopods from the Fezouata Shale, Anti-Atlas, Morocco: initial results, identity and origin of the fauna

15H50- 16H10 TALK 6 - MERGL

The "Paradise" of linguliformean brachiopods: New data from the Early Ordovician of the Prague Basin (Czech Republic)

16H10- 16H40 COFFEE BREAK AND POSTER SESSION

16H40- 17H00 TALK 7 - ROGAL & SPROAT

Size and shape of subadult shells of Ordovician dalmanellid brachiopods of North America

17H00- 17H20 TALK 8 - SPROAT & YOUNG

An unusual brachiopod association within a Late Ordovician lagerstätte in central Manitoba, Canada

17H20- 17H40 TALK 9 - STIGALL ET AL.

Constraining diversification, ecological structure, and morphological change across the Great Ordovician Biodiversification Event: A case study from the Arbuckle Mountains of Oklahoma

17H40- 18H00 TALK 10 - HINTS ET AL.

Trace element signatures in Early Ordovician phosphorites and black shales from the Baltic Palaeobasin: sulfidic facies control of the P cycle

18H00- 18H30 IGCP 735- BUSINESS MEETING

DAY 2

Thursday October 20th 2022

09H00 - 09H10 **INFORMATIONS**

CHAIR: ABDERRAZZAK EL ALBANI

09H10 - 10H10 **KEYNOTE 3 – ALCYIA STIGALL**

Ordovician paleobiogeography: current knowledge, new ideas, and emerging methods

10H10 - 10H30 **COFFEE BREAK AND POSTER SESSION**

10H30 - 10H50 **TALK 11 - HINTS ET AL.**

Oxygen isotope composition of Ordovician conodonts: a SIMS approach from the East Baltic

10H50 - 11H10 **TALK 12 - LEATHAM**

How the Rise of Ordovician Life (ROL) affected carbonate depositional systems

11H10 - 11H30 **TALK 13 - SCHMITZ & TERFELT**

The breakup of the L-chondrite parent body 466 Ma and its terrestrial effects - A search for a mid-Ordovician biodiversity event

11H30 - 11H50 **OLLE HINTS – INFORMATION ON THE JOINT 3RD ANNUAL MEETING OF IGCP 735 AND 14TH INTERNATIONAL SYMPOSIUM ON THE ORDOVICIAN SYSTEM IN TALLINN, ESTONIA (17–20 JULY 2023)**

12H00 - 14H00 **LUNCH**

CHAIR: ALCYIA STIGALL

14H00 - 15H00 **KEYNOTE 4 – THOMAS SERVAIS**

The Great Ordovician Biodiversification of Land Plants

15H00 - 15H20 **TALK 14 - GUTIÉRREZ-MARCO ET AL.**

A reappraisal of the Ordovician trilobites from the Jefarah-Ghadames and Murzuq basins (Lybia and Tunisia)

15H20 - 15H40 **TALK 15 - PEREIRA & COLMENAR**

Where was Belgium during the Ordovician: what do trilobites have to say?

15H40 - 16H10 **COFFEE BREAK AND GROUP PHOTOGRAPH**

DAY 2

Thursday October 20th 2022

16H10 - 16H30 TALK 16 - DUPICHAUD & LEFEBVRE

Solutan echinoderms from the Fezouata Shale Lagerstätte (Lower Ordovician, Morocco): diversity, exceptional preservation and palaeobiogeographic

16H30 - 16H50 TALK 17 - NANGLU ET AL.

Rhabdopleura-like pterobranch epibionts from the Fezouata biota illustrate the complexity of Ordovician marine ecosystems

16H50 - 17H10 TALK 18 - RICHARDS

The typicality of the Fezouata

17H10 - 17H40 INFORMATIONS ON FIELD EXCURSION ANNUAL MEETING

19H30 - 22H30 GALA DINNER