



Conference program

**TRIGGER FACTORS
OF THE EVOLUTION
OF THE ORGANIC WORLD**

February 16—17, 2021



“TRIGGER FACTORS OF THE EVOLUTION OF THE ORGANIC WORLD”

(using information and communication technologies
in partially remote, remote mode)

The international conference is held within the framework of the Russian-British grant (project of the Culture and Education Department of the UK Embassy — «**University Alliance**») «How did the environment react to climate change during the Devonian time in the European part of the Arctic?».

Objectives:

Sustaining links between UK and Russian peoples on a wide range of subjects, promoting collaboration and fostering mutual respect. The project of a significant degree contributes to the goals of the national programs of the Russian Federation “Science” and “Education”.

Moderator — Professor John Marshall

Time (Moscow)	Name	Country	Theme
February 16, the first day of the conference			
14:00	Acad. Valery Charushin	Russia	On the Russian-British projects of the Ural Branch of the Russian Academy of Sciences, the contribution of joint scientific research in the study of the Arctic
14:15	Dr. Igor Burtsev	Russia	Institute of Geology in the economy and social structure of the Komi Republic
14:30	Prof. Olga Telnova	Russia	About the Russian-British project “How did the environment react to climate change during the Devonian time in the European part of the Arctic?”: Goals and objectives, project participants
14:45	Acad. Sergey V. Rozhnov	Russia	The Silurian-Devonian disparid crinoids with aberrant bodyplan: morphogenesis, adaptations and evolution triggers

15:25	Dr. Victor Babenko, Nadezhda Kotelina, Olga Tel'nova	Russia	Problems and prospects of using recognition algorithms and machine learning for diagnosing Devonian spores
15:45	Dr. Andrey Zhuravlev	Russia	Dynamics of conodont ecogeochemistry and overturn of pelagic ecosystems during the Hangenberg crisis and recovery (NE Laurussia as example)
Coffee Break 16:15—16:50			
17:00	Prof. John Marshall	UK	UV-B radiation was the Devonian-Carboniferous boundary terrestrial extinction kill mechanism
17:45	Prof. Brian D. Fields	USA	Supernova Triggers for End-Devonian Extinctions?
18:30	Prof. Tatyana Shumilova	Russia	Diamond fossils as a new key for Astrobiology
18:55	Acad. Per E. Ahlberg	Sweden	The extraordinary Devonian tetrapods of Timan

End of conference 19:40

February 17, the second day of the conference

Workshop

14:00	Dr. Christopher Berry, Amy Wyatt, John E. A. Marshall	UK	The first forests of the present day Arctic Ocean coast
14:40	Dr. Neil Davies	UK	The Devonian Landscape Factory: plant-sediment interactions in the Old Red Sandstone of Svalbard and the rise of vegetation as a biogeomorphic agent
15:30	Pavel Beznosov	Russia	Devonian sections of North Timan: an unexplored paleontological treasury

16:10	Dr. Ģirts Stinkulis	Latvia	Preliminary interpretation of sedimentary Environment of the Frasnian deposits at vicinity of the eastern Ludovatjy cape and lower reaches of the Velikaya river (North Timan, Russia)
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Coffee Break 17:00 — 17:30

17:50	William McMahon	UK	Earth's Palaeozoic mudstone revolution
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18:10	Anthony P Shillito	UK	Ichnological signatures of the Siluro-Devonian colonization of the continents
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18:30	Hannah Byrne	Sweden	Tides: A key environmental driver of bony fish (osteichthyan) evolution and the fish-tetrapod transition?
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18:50	Amy Wyatt	UK	Brief report of Svalbard plants
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19:10	Emma Reeves	UK	Tournaisian (Early Carboniferous) recovery of terrestrial vegetation following the End Devonian Mass Extinction in the United Kingdom
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19:30	Matthew Smart	USA	Tracking phosphorus across the Kellwasser Event: a nutrient profile from Euramerica
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Web site:

<https://geo.komisc.ru>



Live stream:

<https://www.youtube.com>

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Institute of Geology of the Komi Science Center of the Ural Branch of the Russian Academy of Sciences. *Pervomayskaya st., Syktyvkar, 167982, Russia*

Painting by Mikhail Shekhanov