

# Changes in the conception and representation of space

*6th Seminar on the Philosophy and History of Mathematics*

|               |  |   |                    |               |
|---------------|--|---|--------------------|---------------|
| 9:40 – 10:10  | <b>Elías Fuentes Guillén</b><br><b>Davide Crippa</b> | Opening<br>On PragMatika and Unlocking Mathematics  |                    |               |
| 10:10 – 10:55 | <b>José Ferreirós</b>                                | Mach on space and metageometry  |                    |               |
| 10:55 – 11:10 | Discussion   |   |                    |               |
|               |  |   | <b>Break</b>       | 11:10 – 11:30 |
| 11:30 – 12:15 | <b>Helena Durnová</b>                                | Dimensions of a space and dimension as a metaphor in the context of the crisis of intuition               |                    |               |
| 12:15 – 12:30 | Discussion   |   |                    |               |
|               |  |   | <b>Lunch break</b> | 12:30 – 14:00 |
| 14:00 – 14:45 | <b>Jitka Močíčková</b>                               | Mapping knowledge: Cartographic innovation in the Czech lands in the 18th and early 19th centuries        |                    |               |
| 14:45 – 15:00 | Discussion   |   |                    |               |
|               |  |   | <b>Break</b>       | 15:00 – 15:20 |
| 15:20 – 16:05 | <b>Ladislav Kvasz</b>                                | Getting geometry independent from spatial intuition: non-Euclidean geometry between Lobachevski and Klein |                    |               |
| 16:05 – 16:20 | Discussion   |   |                    |               |
|               |  |   | <b>Break</b>       | 16:20 – 16:40 |
| 16:40 – 17:25 | <b>María de Paz</b>                                  | Reconsidering Inertia: Riemann's hypothetical approach  |                    |               |
| 17:25 – 17:40 | Discussion   |   |                    |               |

The conference was organised by Elías Fuentes Guillén (principal investigator of PragMatika) and Davide Crippa (principal investigator of Unlocking Mathematics) with the assistance of Daniela Frolíková, Radka Topinková, Klára Zelinková, Petra Hyklová, Sixtus Bolom-Kotari, Tereza Liepoldová and Daniel Kadlec, all of them members of the GA ČR Junior Star project PragMatika (23-06540M) or the Lumina quaeruntur project Unlocking Mathematics (LQ300092401).