

# Conference Programme

(Local time zone – CET)

**MONDAY, 24 of May 2021**

**10<sup>00</sup> - 10<sup>25</sup>    Opening**

10<sup>25</sup> - 10<sup>50</sup>    Mahouton Norbert Hounkonnou – *Problematic of mathematics and social sciences: an ubiquitous constructive interaction in algebraic modeling*

**10<sup>50</sup> - 11<sup>00</sup>    Break**

11<sup>00</sup> - 11<sup>25</sup>    Philippa Pattison - *Algebraic approaches to the analysis of social networks*

11<sup>25</sup> - 11<sup>50</sup>    Mikhail Volkov - *Semiring identities of the Brandt monoid*

**11<sup>50</sup> - 12<sup>00</sup>    Break**

12<sup>00</sup> - 12<sup>15</sup>    Shanti Pise - *Algebraic thinking and modelling in dance*

12<sup>15</sup> - 12<sup>30</sup>    Mehsein Jabel Atteya - *The Role of Mathematical Induction in Behavior Analysis of the People*

12<sup>30</sup> - 12<sup>45</sup>    Zvonimir Šikić - *Gödel's incompleteness theorem and human-machine non-equivalence*

**12<sup>45</sup> - 13<sup>00</sup>    Break**

13<sup>00</sup> - 13<sup>25</sup>    Volodymyr Mazorchuk - *Representations of generalized rook monoid algebra*

13<sup>25</sup> - 13<sup>50</sup>    Branislav Boričić - *On Mathematical Aspects of Simple Social Notions*

**13<sup>50</sup> - 14<sup>00</sup>    Break**

14<sup>00</sup> - 14<sup>25</sup>    Marsel Danesi - *Semiotics in Mathematics: An Overview*

14<sup>25</sup> - 15<sup>00</sup>    Springer time and discussion

**TUESDAY, 25 of May 2021**

- 10<sup>00</sup>-10<sup>25</sup> Daya Reddy - *Analysis and computation in solid mechanics*
- 10<sup>25</sup>-10<sup>50</sup> Bertrand Jouve - *Complex networks mining by vertex elimination scheme*
- 10<sup>50</sup> - 11<sup>00</sup> Break**
- 11<sup>00</sup>-11<sup>25</sup> Victoria Gould - *Idempotents in tropical matrices*
- 11<sup>25</sup>-11<sup>50</sup> Vladimir Batagelj - *Semirings in network data analysis / an overview*
- 11<sup>50</sup> - 12<sup>00</sup> Break**
- 12<sup>00</sup>-12<sup>25</sup> John Levi Martin - *Algebraic Structures for Social Data*
- 12<sup>25</sup>-12<sup>50</sup> Erik Darpo - *Constructive semigroup theory*
- 12<sup>50</sup> - 13<sup>00</sup> Break**
- 13<sup>00</sup> - 13<sup>20</sup> Discussion**
- 13<sup>20</sup>-13<sup>35</sup> Antonio Rivero Ostojic - *Algebraic modeling of multilevel networks*
- 13<sup>35</sup>-13<sup>50</sup> Nina Otter - *A unified framework for equivalences in social networks*
- 13<sup>50</sup> - 14<sup>00</sup> Break**
- 14<sup>00</sup>-14<sup>25</sup> John Paul Boyd - *Semigroups: kinship and the tortoise and the hare*
- 14<sup>25</sup>-15<sup>00</sup> Nisville time and discussion

**WEDNESDAY, 26 of May 2021.**

- 10<sup>00</sup> - 10<sup>25</sup> Lucia Falzon - *Time and sequence in networks of social interactions*
- 10<sup>25</sup> - 10<sup>50</sup> Paula Catarino - *Revisiting some research work in a particular semigroup of transformations*

**10<sup>50</sup> - 11<sup>00</sup> Break**

- 11<sup>00</sup> - 11<sup>25</sup> James East - *Transformation representations of semigroups*
- 11<sup>25</sup> - 11<sup>50</sup> Madad Khan - *Decomposition of an Abel-Grassmann's groupoid*

**11<sup>50</sup> - 12<sup>00</sup> Break**

- 12<sup>00</sup> - 12<sup>25</sup> Jacek Woźny - *Human Mathematics*
- 12<sup>25</sup> - 12<sup>50</sup> Ronald Breiger - *Conflicts as Networks of Event Orderings*

**12<sup>50</sup> - 13<sup>00</sup> Break**

- 13<sup>00</sup> - 13<sup>15</sup> Branislav Randelović - *An Algebraic Tool for Economizing the Testing Process in Social Sciences*
- 13<sup>15</sup> - 13<sup>40</sup> Dragana Martinovic - *Algebra and Modelling in Mathematics School Curriculum*
- 13<sup>40</sup> - 14<sup>05</sup> Melanija Mitrović - *Constructive semigroup with apartness: the state of the art*
- 14<sup>05</sup> - 14<sup>45</sup> Panel and next steps

**14<sup>45</sup> - 15<sup>00</sup> Closing**