

Colloquium

Uncertainty Modeling 2024

May 24 – 25, 2024

Košice, Slovak Republic

<http://um2024.science.upjs.sk/>

Programme

May 24 – 25, 2024

Pavol Jozef Šafárik University in Košice, Slovakia

Buildings: **AS, RA** (see maps at the end)

Assembly halls: **Small Congress Center**, Moyzesova 9
Historical Aula, Šrobárova 2

Programme

Friday, May 24

8:30 – 12:00 Registration desk, Small Congress Center, Moyzesova 9
9:00 – 9:15 Opening of Colloquium, Small Congress Center, Moyzesova 9

Plenary lecture Chair: Ondrej Hutník

9:15 – 10:05 M. Baczyński
On the multiplicative Sincov's equation for fuzzy connectives

10:05 – 10:35 Coffee break

Talks Chair: Martin Kalina

10:35 – 10:55 A. Šeliga, S. Saminger-Platz, A. Kolesárová, R. Mesiar, E.P. Klement
On polynomial 3-copulas

10:55 – 11:15 J. Borzová, M. Kleinová
Towards time-dependent scientometric indices: Sugeno chain-based integrals

11:15 – 11:35 K. Hurajová, O. Hutník
Uncertainty modeling in music perception

11:35 – 11:55 B. Pełkala, D. Kosior, J. Czuma, J. Szkoła
Idea privacy of data in early detection of the risk of depressive episodes concerning uncertainty measures

12:00 – 14:00 Lunch (Moyzesova canteen)

Talks Chair: Lenka Halčinová

14:00 – 14:20 V. Kobza
Rational divergence measures

14:20 – 14:40 T. Józefiak, M. Boczek, M. Kałuszka, A. Okolewski
A Choquet-like operator for aggregating multivalued data

14:40 – 15:00 A. Stupňanová
Aggregating on discrete chains based on extreme values

15:00 – 15:20 M. Boczek, A. Hovana, M. Kałuszka
Distributivity equation related to minitive and maxitive homogeneity of the upper n -Sugeno integral

15:20 – 15:50 Coffee break

17:00 Bus prepared for wine tasting tour and dinner (Rectorate UPJŠ, Moyzesova)

Programme

Saturday, May 25

Historical Aula, Šrobárova 2

Plenary lecture Chair: Ondrej Hutník

9:15 – 10:05 Ľ. Horanská
Möbius transform: History, generalizations and applications in aggregation theory

10:05 – 10:35 Coffee break

Talks Chair: Barbara Pečala

10:35 – 10:55 J. Kalafut, A. Mesiarová-Zemánková
Pseudo-uninorms on bounded lattices where all points are comparable with neutral element

10:55 – 11:15 V. Janiš
Residual implications on simple lattices

11:15 – 11:35 Ľ. Antoni, P. Eliaš, J. Guniš, D. Kotlářová, S. Krajčí, O. Krídlo, Ľ. Šnajder
Extension of fuzzy attribute implications for heterogeneous formal context and its applications

11:35 – 11:55 J. Pócs
On compact elements in lattices of aggregation functions

12:00 – 14:00 Lunch (Teledom)

Talks Chair: Vladimír Janiš

14:00 – 14:20 M. Ďubek
Generalized approach for construction of intuitionistic values

14:20 – 14:40 M. Kalina
Ordinal sum of abelian semigroups

14:40 – 15:00 M. Bruteničová
Interval-valued relational modifiers

15:00 – 15:20 A. Król, P. Drygaś
New types of threshold generated ordinal sums of fuzzy implications

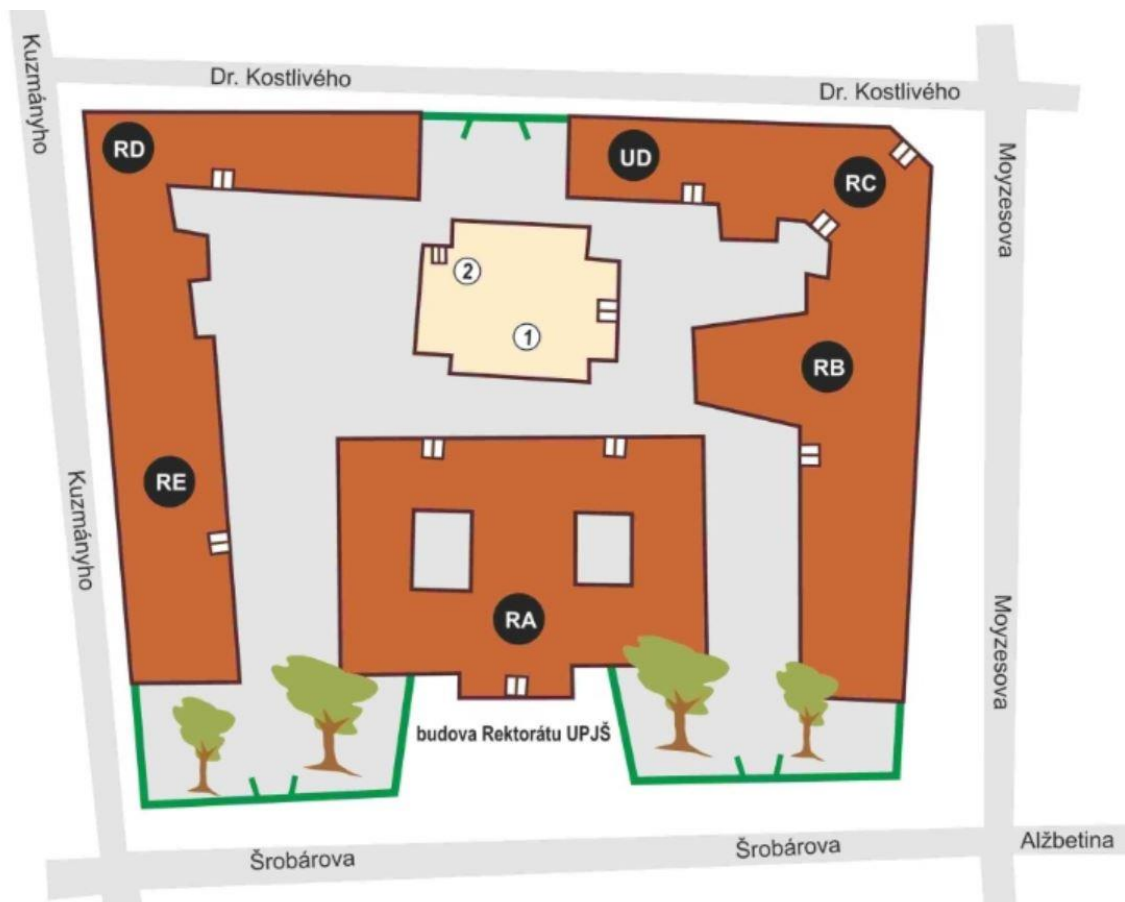
15:20 Closure of the scientific part of the workshop

16:30 Guided tour Košice city

19:00 Dinner



AS = Small Congress Center (ground floor), Moyzesova 9



RA = Historical Aula (first floor), Šrobárova 2