6th Symposium on "Hypercompositional Algebra-new Developments and Applications"

1st day: Monday, 25.5.2026, chair assoc.prof. Irina Cristea

10:00 Opening the event
10:15 Christos Massouros *"One Axiom Fewer: A Reduction of the Axiomatic Basis for Hypergroups, Hyperfields, Hypermodules, and Related Structures"*
11:00 Antonios Kalampakas *"Strongest Strong Paths and Hypercompositional Structures in Fuzzy Directed Graphs"*
11:30 Charalampos Tsitouras *"AI Tools and the Exploration of Hypercompositional Structures in Algebra"*

12:00-13:00 Break

13:00 Madeleine Al-Tahan "*Commutativity Measures and Graph Structures Associated with Finite Groups*"
13:30 Bianca Bercea-Straton "*An Overview of Cyclic Codes Through the Lens of Hypercompositional Algebra*"
14:00 Fatma Kahriman "*A Functorial Radical Approximation for Krasner Hypermodules and Its Topological Correspondence"*
14:30 Mustafa Mahir Sayıcı "*The Category of Krasner Hypermodules and Exact Short Sequences*"
15:00 End of first day sessions

2nd day: Wednesday, 27.5.2026, chair assist.prof. Hashem Bordbar

10:30 Reza Ameri "*Free hyperalgebras*"
11:00 Hugo Luiz Mariano *"On algebraic closure of superfields"*
11:30 Kaique Roberto "*HSP Theorem for Morgado Hyperlattices"*

12:00-13:00 Break

Chair prof.dr. Charalampos Tsitouras

13:00 Temitope Gbolahan Jaiyeola "*Analysis of Weak Associativity Properties of Hypercompositional Algebraic Structures in ABO Blood Groups*"
13:30 Enrico Talotti *"From Regular Relation to Quotient Hypergroups"*
14:00 Marcelo Esteban Coniglio "*Hyperalgebraic semantics based on Hyper Boolean Algebras: applications to LFIs*"
14:30 End of the second day sessions

3rd day: Thursday, 28.5.2026, chair prof. Christos Massouros

10:30 Violeta Fotea "*Order-Generated Hyperrings and Associated Multilattices"*
11:00 N. Aishwarya Nayak *"On the Algebraic Structure of the Lattice of Convex Subhyperlattices"*
11:30 Ahsan Mahboob "*(m, n) - Hyperideals and (m, n) - Quasi-Hyperideals in Ordered Semihypergroups*"

12:00-13:30 Break

13:30 Irina Cristea "*A parallel between power rings and HX-rings"*
14:00 Oyeyemi Oyebola "*Multivalued Algebraic Structures and Some Genetic Inheritance Models*"
14:30 ***Round table and closing remarks***