

## Workshop for Young Researchers in Mathematics

12th edition, May 18-19, 2023

### ALGEBRA, GEOMETRY, NUMBER THEORY & TOPOLOGY - SCHEDULE -

All talks will be held in the Myller Amphitheater.

Thursday, May 18

9:45	Welcome to WYRM2023! Opening remarks by Prof. Dr. Razvan Litcanu in Myller Amphitheater
10:00-10:30	<b>Anca Macinic</b> , IMAR <i>Ziegler restrictions and combinatorics of line arrangements</i>
10:30-11:00	<b>Mihai Pavel</b> , IMAR <i>Compact moduli spaces of sheaves</i>
11:00-11:30	Morning Coffee Break
11:30-12:00	<b>Ovidiu Preda</b> , University of Bucharest & IMAR <i>Blow-ups and modifications of lcK spaces</i>
12:00-12:30	<b>Martin Palmer-Anghel</b> , IMAR <i>The homology of big mapping class groups</i>
12:30-14:30	Lunch Break
14:30-15:00	<b>Cipriana Anghel-Stan</b> , IMAR <i>Heat kernels of real powers of Laplacians as conormal sections in blow-up heat spaces</i>
15:00-15:30	<b>Ioana Ciuclea</b> , West University of Timisoara <i>Pointed vortex loops in ideal 2D fluids</i>
15:30-16:00	<b>Silviu Lazorec</b> , Alexandru Ioan Cuza University <i>Some density results involving the average order of a finite group</i>
16:00-16:30	Afternoon Coffee Break
16:30-17:00	<b>Vlad Marchidanu</b> , University of Bucharest <i>Complex structures on the product of Sasakian manifolds</i>

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Friday, May 19

9:30-10:00	<b>Mircea Cimpoeas</b> , Politehnica University of Bucharest & IMAR <i>On the monoid algebra associated to the monomial characters of a finite group</i>
10:00-10:30	<b>Silviu Balanescu</b> , Politehnica University of Bucharest <i>Depth and Stanley depth of powers of the path ideal of a path graph</i>
10:30-11:00	Morning Coffee Break
11:00-11:30	<b>Francesco Navarra</b> , University of Messina <i>Polycollection ideals and primary decomposition of polyomino ideals</i>
11:30-12:00	<b>Nayana Shibu Deepthi</b> , Osaka University <i>Non-normal edge rings satisfying <math>(S_2)</math>-condition</i>
12:00-12:30	<b>Calin-Daniel Spiridon</b> , University of Bucharest & IMAR <i>Graphs, Koszul modules and resonance schemes</i>
12:40	Group Photo – @ main entrance
12:40-14:30	Lunch Break
14:30-15:00	<b>Tudor Micu</b> , Babes-Bolyai University <i>Pseudovaluations on polynomial rings. A classification</i>
15:00-15:30	Afternoon Coffee Break
15:30-16:00	<b>George Turcas</b> , Babes-Bolyai University <i>On <math>p</math>-isogenies of elliptic curves with multiplicative reduction</i>