

# 7<sup>th</sup> Macedonian Workshop on Graph Theory and Applied Math

## PROGRAMME

|                   |                 |  |
|-------------------|-----------------|--|
| <b>12.08.2022</b> | <b>Saturday</b> |  |
|                   |                 | Arrival  |
|                   | 17:00-17:15     | <b>Opening ceremony</b>  |
|                   | 17:15-18:00     | Jelena Sedlar<br><i>Normal 5-edge-colorings and some superpositioned snarks</i><br><br>-invited talk-  |
|                   | 19:00-20:30     | <b>Dinner</b>  |
|                   | 20:30-          | <b>Welcome cocktail</b>  |
| <b>13.08.2022</b> | <b>Sunday</b>   |  |
|                   | 10:00-10:40     | Andreas DeBrouwere<br><i>The Borel-Ritt problem in ultraholomorphic classes</i><br><br>-invited talk-  |
|                   | 10:45-11:15     | <b>Coffee break</b>  |
|                   | 11:20-11:40     | Daniel Velinov<br><i>Almost periodicity in abstract impulsive Volterra integro-differential inclusions</i>   |
|                   | 11:45-12:05     | Pavel Dimovski<br><i>Uniformly concentrated partitions of unity and its application</i>  |
|                   | 12:10-14:30     | <b>Lunch break</b>   |
|                   | 14:30-15:10     | Beti Andonovic<br><i>Optimizing carbon nanotubes and graphene production: unraveling the optimal parameters through machine learning</i><br><br>-invited talk- |
|                   | 15:05-15:25     | Viktor Andonovikj<br><i>Structured output prediction for time-to-event estimation: A semi-supervised approach in survival analysis</i>                         |
|                   | 15:30-16:00     | <b>Coffee break</b>  |
|                   | 16:05-16:25     | David Tankus<br><i>Shedding vertices and their recognition</i>   |
|                   | 16:30-16:50     | Martin Knor<br><i>On metric dimension of circulant graphs with <math>t</math> consecutive generators</i>   |
|                   | 16:55-17:30     | <i>Problem Session</i>   |

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|-------------------|------------------|--|
|                   | 19:00-20:30      | <b>Dinner</b>  |
|                   | 20:30-           | <b>Wine tasting</b>  |
| <b>14.08.2022</b> | <b>Monday</b>    |  |
|                   | 9:00-17:00       | <b>Excursion-St Naum monastery</b>   |
|                   | 20:00-           | <b>Rehearsal conference dinner</b>   |
| <b>15.08.2022</b> | <b>Tuesday</b>   |  |
|                   | 10:00-10:40      | Bojan Prangoski<br><i>Quasi-analytic representation theory of <math>(\mathbb{R}^d, +)</math> over quasi-complete locally convex spaces</i><br><br>-invited talk- |
|                   | 10:45-11:15      | <b>Coffee break</b>  |
|                   | 11:20-11:40      | Sanja Atanasova<br><i>Abelian and Tauberian results for the fractional Fourier and short time Fourier transforms</i>   |
|                   | 11:45-12:05      | Sijce Pechkova<br>TBA  |
|                   | 12:10-14:30      | <b>Lunch break</b>   |
|                   | 14:30-14:50      | Mirko Petrushevski<br><i>Proper edge-colorings with a rich neighbor condition</i>  |
|                   | 14:55-15:15      | Riste Skrekovski<br><i>The odd coloring</i>  |
|                   | 15:20-15:50      | <b>Coffee break</b>  |
|                   | 15:55-16:15      | Ismail Naci Cangul<br><i>Omega invariant and combinatorial properties</i>  |
|                   | 16:20-16:40      | Kiril Lisichkov<br>TBA   |
|                   | 16:45-17:30      | Open problem session   |
|                   | 19:00-21:00      | <b>Conference dinner</b>   |
| <b>16.08.2022</b> | <b>Wednesday</b> |  |
|                   | 10:30-10:50      | Divya Aggarwal<br><i>Splitting subspaces of linear operators over finite fields</i>  |
|                   | 10:55-11:15      | Bikash Bhattacharjya<br>H-integral and Gaussian integral normal mixed Cayley graphs  |
|                   | 11:20-11:40      | Murugan Varadhan<br>Decomposition of complete graph into trees and cycles  |
|                   | 11:20-11:35      | <b>Closing ceremony</b>  |