Conference schedule

Wednesday June 28

8:15 - 8:30   **Opening**

8:30 - 9:15   **Invited Talk Eunjung Kim (chair: Hans Bodlaender)**

Twin-width, graph classes and a bit of logic

9:15 - 10:15   **Contributed talks (chair: Petr Golovach)**

Benjamin Bergougnoux, Tuukka Korhonen and Igor Razgon	New Width Parameters for Independent Set: One-sided-mim-width and Neighbor-depth
Yeonsu Chang, O-Joung Kwon and Myounghwan Lee	A new width parameter of graphs based on edge cuts: α-edge-crossing width
Tom Davot, Lucas Isenmann, Sanjukta Roy and Jocelyn Thiebaut	Degreewidth: a New Parameter for Solving Problems on Tournaments

10:15 - 10:45   **Coffee break**

10:45 - 12:25   **Contributed talks (chair: Martin Milanič)**

Falko Hegerfeld and Stefan Kratsch **[Best Student Paper]**	Tight Algorithms for Connectivity Problems Parameterized by Modular-Treewidth
Jakob Baumann, Matthias Pfretzschner and Ignaz Rutter	Parameterized Complexity of Vertex Splitting to Pathwidth at most 1
Nicolas Bousquet, Quentin Deschamps and Aline Parreau	Metric dimension parameterized by treewidth in chordal graphs
Juhi Chaudhary and Meirav Zehavi	$\mathcal{P}$-matchings Parameterized by Treewidth
Fedor Fomin, Pierre Fraigniaud and Petr Golovach	Parameterized Complexity of Broadcasting in Graphs

12:30 - 13:45   **Lunch Break**

13:45 - 14:30   **ToT Award Mark Jerrum (chair: Daniël Paulusma)**

35 years of counting, sampling and mixing

14:30 - 15:30   **Contributed talks (chair: Csaba Tóth)**

Rémy Belmonte, Ararat Harutyunyan, Noleen Köhler and Nikolaos Melissinos	Odd Chromatic Number of Graph Classes
Jan Bok, Jiří Fiala, Nikola Jedličková, Jan Kratochvíl and Michaela Seifrtová	Computational Complexity of Covering Colored Mixed Multigraphs with Small Equivalence Classes in Degree Partition
Zdeněk Dvořák and Abhiruk Lahiri	Maximum edge colouring problem on graphs that exclude a fixed minor

15:30 - 16:00   **Coffee break**

16:00 - 17:00   **Contributed talks (chair: Jessica Enright)**

Paul Bastide, Linda Cook, Jeff Erickson, Carla Groenland, Marc van Kreveld, Isja Mannens and Jordi Vermeulen	Reconstructing Graphs from Connected Triples
Carla Binucci, Giuseppe Di Battista, Walter Didimo, Seok-Hee Hong, Michael Kaufmann, Giuseppe Liotta, Pat Morin and Alessandra Tappini	Nonplanar Graph Drawings with k Vertices per Face
Steven Chaplick, Steven Kelk, Ruben Meuwese, Matúš Mihalák and Georgios Stamoulis	Snakes and Ladders: a Treewidth Story

17:00 - 17:15   **Break**

17:15 - 18:15   **Contributed talks (chair: Jan Kratochvíl)**

Julien Bensmail, Victor Campos, Ana Karolinna Maia, Nicolas Nisse and Ana Silva	Deciding the Erdős-Pósa property in 3-connected digraphs
Katrin Casel, Tobias Friedrich, Davis Issac, Aikaterini Niklanovits and Ziena Zeif	Efficient Constructions for the Gyori-Lovasz Theorem on Almost Chordal Graphs
Feodor Dragan and Guillaume Ducoffe	α_i-Metric Graphs: Radius, Diameter and all Eccentricities

18:15   **Business Meeting**

Thursday June 29

8:30 - 9:15   Invited talk Nicolas Trotignon (chair: Bernard Ries)

Triangle-free graphs of large chromatic number

9:15 - 10:15   Contributed talks (chair: Steven Chaplick)

Paul Jungeblut, Samuel Schneider and Torsten Ueckerdt [Best Paper]	Cops and Robber – When Capturing is not Surrounding
Jessica Enright, Kitty Meeks, William Pettersson and John Sylvester	Cops and Robbers on Multi-layer Graphs
Martin Milanič and Yushi Uno	Upper Clique Transversals in Graphs

10:15 - 10:45   Coffee break

10:45 - 12:25   Contributed talks (chair: Felicia Lucke)

Sayan Bandyapadhyay, Fedor V. Fomin, Tanmay Inamdar and Kirill Simonov	Proportionally Fair Matching with Multiple Groups
Juhi Chaudhary and Meirav Zehavi	Parameterized Results on Acyclic Matchings with Implications for Related Problems
Hoang-Oanh Le and Van Bang Le	Complexity results for matching cut problems in graphs without long induced paths
Édouard Bonnet, Dibyayan Chakraborty and Julien Duron	Cutting Barnette graphs perfectly is hard
Meghana Nasre, Prajakta Nimbhorkar and Keshav Ranjan	Critical Relaxed Stable Matchings with Two-Sided Ties

12:30 - 13:45   Lunch

14:15   Departure towards Broc

15:15 - 16:30   Visit Cailler

16:45   Departure towards Gruyères

18:45   Apéritif and Conference Dinner

Friday June 30

8:30 - 9:15   Invited Talk Flavia Bonomo (chair: Bernard Ries)

Generalized list matrix partition problems on chordal graphs, parameterized by leafage

9:15 - 10:15   Contributed talks (chair: Noleen Köhler)

Radovan Červený and Ondřej Suchý	Generating faster algorithms for d-Path Vertex Cover
Antoine Dailly, Florent Foucaud and Anni Hakanen	Algorithms and hardness for Metric Dimension on digraphs
Ilan Doron-Arad and Hadas Shachnai	Approximating Bin Packing with Conflict Graphs via Maximization Techniques

10:15 - 10:45   Coffee break

10:45 - 12:25   Contributed talks (chair: Flavia Bonomo)

Pavel Dvořák, Lukáš Folwarczný, Michal Opler, Pavel Pudlák, Robert Šámal and Tung Anh Vu	Bounds on Functionality and Symmetric Difference – Two Intriguing Graph Parameters
Fedor Fomin, Petr Golovach, Danil Sagunov and Kirill Simonov	Turan's Theorem Through Algorithmic Lens
Jan Goedgebeur, Edita Máčajová and Jarne Renders	On the Frank number and nowhere-zero flows on graphs
Frédéric Havet, Lucas Picasarri-Arrieta and Clément Rambaud	On the minimum number of arcs in 4-dicritical oriented graphs
Robert Scheffler	Graph Search Trees and Their Leaves

12:30 - 13:45   Lunch