

Programme of the 12th NETWORKS Training Week

25 October - 29 October 2021, Asperen

Monday, 25 October

12:00 - 12:30	Arrival
12:30 - 13:30	Lunch
13:30 -13:40	Opening
13:40-14:40	Research presentations <ul style="list-style-type: none">• Giulia Bernardini (CWI): <i>Constructing Strings Avoiding Forbidden Substrings</i>• Matteo Quattropani (UL) <i>A statistical-physics model of network formation</i>
14:40-15:00	Short break
15:00-15:15	Viresh Patel - NETWORKS workshop program
15:15-15:45	Nicos Starreveld - NETWORKS pages
15:45-16:00	Short break
16:00-16:45	Introduction of new members <ul style="list-style-type: none">• Bharti (UvA)• Federico Capannoli (LU)• Francisco Escudero (CWI)• Purva Joshi (TU/e)• Nandan Malhotra (LU)• Haodong Zhu (TU/e)• Wessel Blomerus (TU/e)• Andres Lopes Martinez (TU/e)
16:45-17:00	Short break
17:00-17:30	Open problem session <ul style="list-style-type: none">• Roel Lambers (TU/e)• Mark de Berg (TU/e)
18:30	Dinner

Tuesday, 26 October

07:30-09:00	Breakfast
09:00-10.15	Mini-course, lecture 1: Spanners and coresets for geometric approximation algorithms by Sándor Kisfaludi-Bak
10:15-10:45	Short break
10:45-12:00	Mini-course, lecture 1: Phase transitions in random constraint satisfaction problems by Noela Müller

12:00-13:30	Lunch
13:30-14:30	Research presentations <ul style="list-style-type: none"> • Nikki Levering (UvA) • Mehmet Afik Yildiz (UvA): <i>Hamilton Cycles on Regular Digraphs and Oriented Graphs</i>
14:30-15:00	Short break
15:00-16:30	Research presentations <ul style="list-style-type: none"> • Rowel Gündlach (TU/e) <i>Invasion Percolation on Power-Law Galton-Watson Trees</i> • Neeladri Maitra (TU/e) • Elene Anton (TU/e): <i>On the stability of redundancy models</i>
16:30-18:00	Research session: work in small group
18:30	Dinner

Wednesday, 27 October

07:30-09:00	Breakfast
09:00-10:15	Mini-course, lecture 2: Spanners and coresets for geometric approximation algorithms by Sándor Kisfaludi-Bak
10:15-10:45	Short break
10:45-12:00	Mini-course, lecture 2: Phase transitions in random constraint satisfaction problems by Noela Müller
12:00-13:30	Lunch
13:30-14:30	Research presentations <ul style="list-style-type: none"> • Leonidas Theocharous (TU/e): <i>Clique-Based Separators for Geometric Intersection Graphs</i> • Arpan Sadhukhan (TU/e): <i>Stable Approximation Algorithms for the Dynamic Broadcast Range Assignment Problem</i>
14:30-14:45	Short break
14:45-15:45	Research presentations <ul style="list-style-type: none"> • Daoyi Wang (UL) • Rajat Hazra (UL): <i>Large deviation principle for the largest eigenvalue of adjacency and Laplacian matrix of an inhomogeneous Erdos-Renyi random graph</i>
15:45-16:30	Research session: work in small groups
16:30-21:00	Social event and dinner

Thursday, 28 October

07:30-09:00	Breakfast
09:00-10:15	Mini-course, lecture 3: Spanners and coresets for geometric approximation algorithms by Sándor Kisfaludi-Bak

10:15-10:45	Short break
10:45-12:00	Mini-course, lecture 3: Phase transitions in random constraint satisfaction problems by Noela Müller
12:00-13:30	Lunch
13:30-14:30	Research presentations <ul style="list-style-type: none">• Albert Senen Cerda (TU/e): <i>On the spectral norm of block Markov chain random matrices</i>• Rounak Ray (TU/e)
14:30-15:00	Short break
15:00-16:00	Research presentations <ul style="list-style-type: none">• Suman Chakraborty (TU/e)• Martijn Gösgens (TU/e): <i>The Hyperspherical Geometry of Community Detection</i>
16:00-18:00	Research session: work in small groups
18:30	Dinner

Friday, 29 October

07:30-09:00	Breakfast
09:00-10.15	Mini-course: lecture 4: Spanners and coresets for geometric approximation algorithms by Sándor Kisfaludi-Bak
10.15-10:45	Short break
10:45-12:00	Mini-course, lecture 4: Phase transitions in random constraint satisfaction problems by Noela Müller
12:00-	Closure & Take Away Lunch