

Joona Karjalainen
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Employment

Department of Mathematics and Systems Analysis

Aalto University
1 Jan 2022 → present

Doctoral studies, School common, SCI

Aalto University
29 Jan 2016 → present

Research output

A note on parameter estimation of thinned random intersection graphs

Karjalainen, J., 10 Sep 2021, p. 51-55.

Assortativity and bidegree distributions on Bernoulli random graph superpositions

Bloznelis, M., Karjalainen, J. & Leskelä, L., 19 Aug 2021, In: Probability in the Engineering and Informational Sciences. 26 p.

Structure and estimation of network models with overlapping communities

Karjalainen, J., 2021, Aalto University. 175 p.

Assortativity and bidegree distributions on Bernoulli random graph superpositions

Bloznelis, M., Karjalainen, J. & Leskelä, L., 2 Jun 2020, *Algorithms and Models for the Web Graph - 17th International Workshop, WAW 2020, Proceedings: 17th International Workshop, WAW 2020, Warsaw, Poland, September 21–22, 2020, Proceedings*. Kaminski, B., Szufel, P. & Pralat, P. (eds.). p. 68-81 14 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics); vol. 12091).

Parameter Estimators of Sparse Random Intersection Graphs with Thinned Communities

Karjalainen, J., van Leeuwen, J. & Leskelä, L., May 2018, *Algorithms and Models for the Web Graph: 15th International Workshop, WAW 2018, Moscow, Russia, May 17-18, 2018, Proceedings*. Bonato, A., Pralat, P. & Raigorodskii, A. (eds.). p. 44-58 15 p. (Lecture Notes in Computer Science ; vol. 10836).

Moment-based parameter estimation in binomial random intersection graph models

Karjalainen, J. & Leskelä, L., 6 Sep 2017, *Algorithms and Models for the Web Graph: 14th International Workshop, WAW 2017, Toronto, ON, Canada, June 15–16, 2017, Revised Selected Papers*. Bonato, A., Graham, F. C. & Pralat, P. (eds.). p. 1–15 (Lecture Notes in Computer Science; vol. 10519).

Activities

Parameter estimators of thinned random intersection graphs with non-binomial community size distributions

Joona Karjalainen (Speaker)
6 Sep 2021

Modeling overlapping communities with random intersection graphs

Joona Karjalainen (Speaker)
25 Nov 2019

Stochastic Sauna

Lasse Leskelä (Chair), Kalle Kytölä (Chair) & Joona Karjalainen (Member)
19 Dec 2018

Parameter Estimators of Sparse Random Intersection Graphs with Thinned Communities

Joona Karjalainen (Speaker)
27 Jun 2018

COSTNET Conference

Joona Karjalainen (Member)
25 Oct 2017 → 27 Oct 2017

Moment-based parameter estimation in binomial random intersection graph models

Lasse Leskelä (Speaker) & Joona Karjalainen (Contributor)
25 Oct 2017

Moment-based parameter estimation in binomial random intersection graph models

Joona Karjalainen (Speaker) & Lasse Leskelä (Contributor)
27 Jul 2017

European Meeting of Statisticians

Joona Karjalainen (Member)
24 Jul 2017 → 28 Jul 2017

Moment-based parameter estimation in binomial random intersection graph models

Lasse Leskelä (Speaker) & Joona Karjalainen (Contributor)
15 Jun 2017

Stochastic Sauna

Joona Karjalainen (Member)
20 Dec 2016

Summer School on Algebra, Statistics and Combinatorics

Joona Karjalainen (Member)
27 Jun 2016 → 2 Jul 2016

Finnish Summer School on Probability and Statistics

Joona Karjalainen (Member)
30 May 2016 → 3 Jun 2016

Statistics Day

Joona Karjalainen (Member)
12 Feb 2016

Stochastic Sauna

Joona Karjalainen (Member)
16 Dec 2015 → 17 Dec 2015

Workshop on Algorithms and Models for the Web Graph

Joona Karjalainen (Member)
7 Dec 2015 → 11 Dec 2015

Finnish Summer School on Probability and Statistics

Joona Karjalainen (Member)
1 Jun 2015 → 5 Jun 2015

Prizes

Aalto University School of Science Master's Thesis Award

Karjalainen, Joonas (Recipient), 2016

European Meeting of Statisticians 2017 Poster Competition

Karjalainen, Joonas (Recipient), 2017

Education

Master of Science: Aalto University, Engineering Physics and Mathematics 2016

Bachelor of Science: Aalto University, Engineering Physics and Mathematics 2015

Major: Systems and Operations Research

Minor Computer and Information Science