

1) Candidate: 905301

Thesis: A Bayesian nonparametric view on Count-Min Sketch under power-law data streams

SSD: SECS-S/01

Supervisor: Stefano Favaro

Referee: Pierpaolo De Blasi (with: Matteo Ruggiero, Silvia Montagna)

2) Candidate: 778571

Thesis: Large-width functional asymptotics for deep Gaussian neural networks.

SSD: MAT/06; SECS-S/01

Supervisor: Stefano Favaro

Referee: Matteo Ruggiero (with: Elvira Di Nardo, Silvia Montagna)

3) Candidate: 905212

Thesis: A Fair Machine-Learning Approach to Aircraft Trajectory Prediction in Pre-tactical Phase

SSD: MAT/06; INF/01; SECS-S/01

Supervisor: Rossano Schifanella (second supervisor Luca Oneto)

Referee: Roberto Esposito (with: Rosa Meo, Silvia Montagna)

4) Candidate: 811647

Thesis: Bayesian GARCH Modelling of Functional sports data

SSD: SECS-S/01

Supervisor: Silvia Montagna (second supervisor Raffaele Argiento)

Referee: Amir Khorrami Chokami (with: Elvira Di Nardo, Pierpaolo De Blasi)

5) Candidate: 814674

Thesis: Stochastic Modelling of Interest Rates and Financial Prices for an Insurance Company

SSD: MAT/06; INF/01

Supervisor: Rossano Schifanella (second supervisors Alessio Angius and Gianmarco De Francisci Morales)

Referee: Marco Beccuti (with: Cristina Zucca, Pierpaolo De Blasi)

6) Candidate: 899736

Thesis: Continuous branching structures as scaling limits of discrete branching structures

SSD: MAT/06

Supervisor: Laura Sacerdote (second supervisor Federico Polito)

Referee: Bruno Toaldo (with: Elvira Di Nardo, Cristina Zucca)

7) Candidate: 781177

Thesis: Generating exploratory paths on Wikipedia graph with multi-objective optimization

SSD: INF/01

Supervisor: Rossano Schifanella

Referee: Rosa Meo (with: Roberto Esposito, Silvia Montagna)

8) Candidate: 811986

Thesis: AI4Genomics: machine learning applications to human genetic variations in rare kidney diseases

SSD: MAT/06, INF/01, SECS-P/01

Supervisor: Rossano Schifanella

Referee: Silvia Montagna (with: Marco Beccuti, Rosa Meo)

9) Candidate: 887731

Thesis: SDEs for time changed processes and PDE connection

SSD: MAT/06

Supervisor: Bruno Toaldo

Referee: Federico Polito (with: Cristina Zucca, Elvira Di Nardo)

10) Candidate: 816254

Thesis: Improving Side-Channel Analysis of AES with Deep Neural Networks

SSD: SECS-S/01; MAT/01; INF/01

Supervisor: Rossano Schifanella (second supervisor Guglielmo Morgari)

Referee: Giancarlo Ruffo (with: Sandro Coriasco, Silvia Montagna)