

PRIN 2017 “IT-MATTERS” FINAL WORKSHOP

IMT School Campus
Piazza S. Francesco, 19 – 55100 Lucca

WELCOME DESK

Tuesday, July 11 – from 9.00 am

Wednesday, July 12 – from 8.45 am

PROGRAMME

Tuesday, July 11th

IT-Matters Talks (Session I)

Time	SAGRESTIA
09.15 – 09.30	Welcome
09.30 – 10.10	Modeling flocks and their emergent behaviors (Rocco De Nicola)
10.10 – 10.50	Parallelising SAT for checking bounded safety of concurrent software (Omar Inverso)
10.50 – 11.20	Coffee break
11.20 – 12.00	Attribute-based updates for programming collective adaptive systems (Marino Miculan, Matteo Paier)
12.00 – 12.40	A spatial logic for a simplicial complex models (Michele Loreti, Michela Quadri)
12.40 – 14.00	Light lunch

IT-Matters Talks (Session II)

Time	SAGRESTIA
14.00 – 14.40	Reasoning about local and global properties of CAS (Aniqa Rehman)
14.40 – 15.20	<i>Curbing the power of non-deterministic observers in quantum bisimilarity</i> (Lorenzo Ceragioli, Giuseppe Lomurno, Gabriele Tedeschi)
15.20 – 16.00	Spatial logics, bisimilarity, minimization, and model checking: recap and outlook (Vincenzo Ciancia)
16.00 – 16.30	Coffee break

IT-Matters Talks (Session III)

Time	SAGRESTIA
16.30 - 17.10	Toward a GUI for medical image segmentation through spatial logics (Giovanna Broccia)
17.10 - 17.50	From logic to Pac-Man: identity binding in GPU-Accelerated Spatial Model Checking (Laura Bussi, Fabio Gadducci)
17.50 - 18.30	Extracting variability from natural language requirements (Laura Semini)
18.30 - 19.00	Omaggio a Prof. Ugo Montanari

Time	Social event
20.30 - 22.30	Social dinner at Celide Restaurant Viale Giuseppe Giusti, 7, 55100 Lucca LU

Wednesday, July 12th

IT-Matters Talks (Session IV)

Time	SAGRESTIA
09.00 - 09.40	Behavioural types for local-first software (Emilio Tuosto)
09.40 - 10.20	Sibilla: a tool for reasoning about CAS (Nicola Del Giudice, Lorenzo Matteucci)
10.20 - 10.50	Coffee break
10.50 - 11.30	Towards a proof analysis of processes (Cosimo Perini Brogi)
11.30 - 12.10	M,N-Adhesivity: results and examples (Davide Castelnovo)
12.10 - 12.50	Formally verifying security protocols built on watermarking and jamming (Letterio Galletta)
12.50 - 13.00	Final remarks
13.00 - 14.00	Lunch at IMT School Canteen