Monday 28 September 2015

09:00–10:30 Introduction session, followed by

Thomas Colcombet
Combinatorial Expressions and Lower Bounds

10:30–11:00 Coffee

11:00–

Charles Paperman
Finite-Degree Predicates and Two-Variable First-Order Logic

Kamal Lodaya
Unary temporal logic and two-variable FO logic with threshold counting

12:15 Lunch

15:30 Cake

16:00–

Thomas Zeume
Small Dynamic Complexity Classes

Anish Mukherjee
Dynamic Complexity of Reachability and Related Problems

Nils Vortmeier
Static Analysis for Logic-Based Dynamic Programs

18:00 Dinner
Tuesday 29 September 2015

09:00–10:00  Martin Grohe  
Color Refinement

10:30–  Christoph Berkholz  
Limitations of Algebraic Approaches to Graph Isomorphism Testing

Michael Elberfeld  
Canonizing Graphs of Bounded Tree Width in Logspace

Sebastian Siebertz  
On the generalised colouring numbers of proper minor closed classes

16:00–17:00  Anuj Dawar  
Lower Bounds for Symmetric Circuits

17:10–18:00  Dimitri Surinx  
Converse elimination in the algebra of binary relations

Aiswarya Cyriac  
Model checking distributed algorithms against propositional dynamic logic with data

Wednesday 30 September 2015

09:00–10:00  Nutan Limaye  
Arithmetic Circuit Lower Bounds

10:30–  B V Raghavendra Rao  
An exponential lower bound for the sum of products read once formulas

Stefan Mengel  
A Strongly Exponential Separation of DNNFs from CNF Formulas

Jan Johannsen  
Backdoors into two occurrences
Thursday 1 October 2015

09:00–10:00  Olaf Beyersdorff  
Lower bounds: from circuits to QBF proof systems

10:30–11:30  A. V. Sreejith  
Crane Beach conjecture and modulo counting quantifiers

Anca Muscholl  
Word transducers: from 2-way to 1-way

11:30-11:45  Michael Wagner (DBLP)  
About DBLP

16:00–17:00  Jean-Eric Pin  
$AC^0$ and first order logic, a new approach based on ultrafilters on words.

Klaus-Jörn Lange  
Quantifying over tuples with algebra - the multidimensional blockproduct

17:10–18:00  Open problems

Friday 2 October 2015

09:00–10:30  Meena Mahajan  
QBF Resolution: How important is width?

Rohit Gurjar  
Bipartite matching is in Quasi-NC.

Michaël Cadilhac  
Transductions: From circuits to continuity

11:00–12:00  Free Slots