



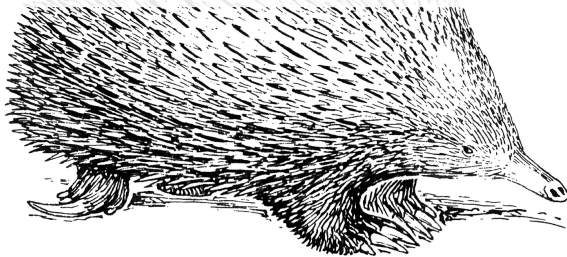
CP2017

SAT2017

ICLP2017

August 28 - September 1, 2017

Melbourne, Australia



Welcome to Melbourne!

We welcome you to the most liveable city in the world,¹ which is hosting the 23rd International Conference on Principles and Practice of Constraint Programming, the 33rd International Conference on Logic Programming and the 20th International Conference on Theory and Applications of Satisfiability Testing.

Venue

Rooms: Most workshop and conference sessions will take place at **Level 1** of the **Melbourne Convention Centre** (see detailed program for room allocations), accessible via **Stairs 1** (see map on the next page) or the lifts.

Work space: In addition to the workshop and conference rooms, you can use **room 112** on Monday and **room 207** (on Level 2) from Tuesday to Friday to work, meet or relax.

Catering: Morning coffee/tea (before the first session) and two coffee/tea breaks with light snacks (10:00 am and 3:30 pm) are included in your registration. Lunch is not provided. There is a wide selection of restaurants and food courts in the immediate neighbourhood of the Convention Centre. We recommend you exit towards the Yarra River and choose one of the restaurants in the Restaurant Precinct, one of the vendors in the food court within the DFO, or one of the many restaurants and food courts along the Southbank Promenade.

Free WiFi: is available throughout the Convention Centre via the *M Connect* network.

Social Program

Doctoral Program Dinner: On Monday, 28th August, all students in the Doctoral Program are invited to the **Spaghetti Tree** restaurant in 59 Bourke St (near Exhibition St).

Opening Reception: The opening reception with canapés and drinks will take place in Room 110 on Tuesday, 29th August, from 6:00 pm. It will include a celebration of the life of Alain Colmerauer, one of the founders of the ICLP and CP communities, who passed away in May 2017.

Guided Tours: On Thursday, 31st August, you can choose between a guided tour of Melbourne's world-renowned street art, a guided tour of the Australian Collection of the National Gallery of Victoria, and a self-guided tour of the Sea Life Melbourne Aquarium. Tours start around 4:00 pm.

Banquet: The conference banquet will take place at the Sea Life Melbourne Aquarium on Thursday, 31st August, from 6:30 pm. Please use the side entrance in **King Street**.

¹depending on your objective function

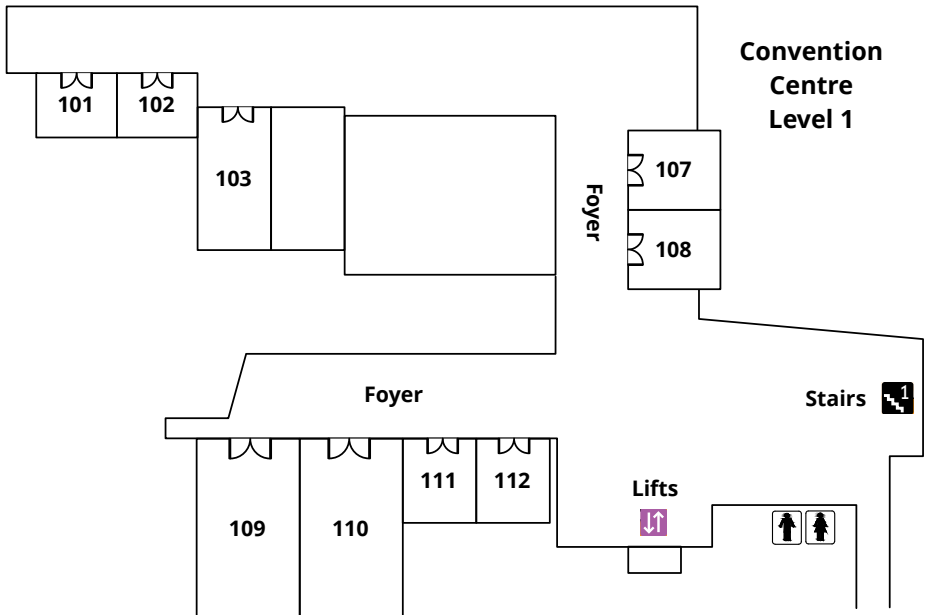
Useful Numbers

Emergency (police, ambulance, fire): 000

International access code (from rest of the world to Australia): 61

International dialling prefix (from Australia to rest of the world): 0011

Venue Map



Monday, 28th August

8:00–8:30 Registration and morning coffee (Foyer)

8:30–10:00 Workshops and Doctoral Program

- R. 101 Colloquium on Implementation of Constraint Logic Programming Systems (CICLOPS) / Workshop on Parallel Methods for Constraint Solving (PaSeO)
- R. 103 Doctoral Program
- R. 107 Pragmatics of Constraint Reasoning (PoCR)
- R. 108 Constraint Solvers in Testing, Verification and Analysis (CSTVA)
- R. 111 Logic and Search (LaSh)

10:00–10:30 Coffee, tea, refreshments (Foyer)

10:30–12:00 Workshops and Doctoral Program

- R. 101 CICLOPS / PaSeO
- R. 103 Doctoral Program
- R. 107 PoCR
- R. 108 CSTVA
- R. 111 LaSh

12:00–13:30 Lunch break (lunch not provided)

13:30–15:30 Workshops and Doctoral Program

- R. 101 Progress Towards the Holy Grail (PTHG)
- R. 102 Constraint Modeling and Reformulation (ModRef)
- R. 103 Doctoral Program
- R. 107 PoCR
- R. 108 CSTVA
- R. 111 LaSh

15:30–16:00 Coffee, tea, refreshments (Foyer)

16:00–18:00 Workshops and Doctoral Program

R. 101 PTHG
R. 102 ModRef
R. 103 Doctoral Program
R. 107 PoCR
R. 108 CSTVA
R. 111 LaSh

19:00–21:00 Doctoral Program Dinner

Spaghetti Tree, 59 Bourke St

Tuesday, 29th August

8:00–8:45 Registration and morning coffee (Foyer)

8:45–9:00 Room 109 Plenary

Welcome

9:00–10:00 Room 109 Invited talk: Holger Hoos

The best of both worlds: Machine learning meets logical reasoning

10:00–10:30 Coffee, tea, refreshments (Foyer)

10:30–12:10 Room 109 CP1: Graphs and Graphical Models
(chair: John Hooker)

10:30 On Maximum Weight Clique Algorithms, and How They Are Evaluated
Ciaran McCreesh, Patrick Prosser, Kyle Simpson and James Trimble

10:55 Rotation-Based Filtering for Stable Matching
Mohamed Siala and Barry O'Sullivan

11:20 A Constraint Composite Graph-Based ILP Encoding of the Weighted CSP
Hong Xu, Sven Koenig and T. K. Satish Kumar

11:45 MDDs: Sampling and Probability Constraints
Guillaume Perez and Jean-Charles Regin

10:30–12:10 Room 112 CP2: Theory
(chair: George Katsirelos)

- 10:30 Kernelization of Constraint Satisfaction Problems: A Study through Universal Algebra
Victor Lagerqvist and Magnus Wahlström
- 10:55 All or nothing: toward a promise problem dichotomy for constraint problems
Lucy Ham and Marcel Jackson
- 11:20 Analyzing lattice point feasibility in UTVPI constraints
K. Subramani and Piotr Wojciechowski
- 11:45 Conditions Beyond Treewidth for Tightness of Higher-order LP Relaxations
Mark Rowland, Aldo Pacchiano and Adrian Weller

10:30–12:00 Room 111 ICLP1: Semantics
(chair: Manuel Hermenegildo)

- 10:30 Fixpoint Semantics and Optimization of Recursive Datalog Programs with Aggregates
Carlo Zaniolo, Mohan Yang, Matteo Interlandi, Ariyam Das, Alexander Shkapsky and Tyson Condie
- 11:00 Program Completion in the Input Language of GRINGO
Amelia Harrison, Vladimir Lifschitz and Dhananjay Raju
- 11:30 Well-Founded Operators for Normal Hybrid MKNF Knowledge Bases
Jianmin Ji, Fangfang Liu and Jia-Huai You

10:30–12:00 Room 110 SAT1: MaxSAT and Minimal Correction Sets
(chair: Nina Narodytska)

- 10:30 On Tackling the Limits of Resolution in SAT Solving
Alexey Ignatiev, Antonio Morgado and Joao Marques-Silva
- 10:55 MaxPre: An Extended MaxSAT Preprocessor (tool paper)
Tuukka Korhonen, Jeremias Berg, Paul Saikko and Matti Järvisalo
- 11:10 short break
- 11:20 (I Can Get) Satisfaction: Preference-based Scheduling for Concert-Goers at Multi-Venue Music Festivals
Eldan Cohen, Guoyu Huang and J. Christopher Beck
- 11:45 Improving MCS Enumeration via Caching
Alessandro Previti, Carlos Mencía, Matti Järvisalo and Joao Marques-Silva

12:10–13:30 Lunch break (lunch not provided)

13:30–14:30 Room 109 Tutorial 1: Pietro Belotti

Mixed Integer Nonlinear Programming

13:30–14:30 Room 110 Tutorial 2: Armin Biere

Introduction to SAT

14:30–15:20 Room 109 CP3: Search
(chair: Willem-Jan van Hoeve)

- 14:30 Learning Rate Based Branching Heuristic for SAT Solvers
Jia Liang, Vijay Ganesh, Pascal Poupart and Krzysztof Czarnecki
- 14:55 Search strategies for solving floating point constraint systems
Heytem Zitoun, Claude Michel, Laurent Michel and Michel Rueher

14:30–15:20 Room 112 CP4: Probabilistic Reasoning
(chair: Mark Wallace)

- 14:30 Minimum-Width Confidence Bands via Constraint Optimization
Jeremias Berg, Emilia Oikarinen, Matti Järvisalo and Kai Puolamäki
- 14:55 Combining Stochastic Constraint Optimization and Probabilistic Programming: From Knowledge Compilation to Constraint Solving
Anna Latour, Behrouz Babaki, Anton Dries, Angelika Kimmig, Guy Van den Broeck, Luc De Raedt and Siegfried Nijssen

15:20–15:30 Room 109 CP: upcoming conferences
(chair: Chris Beck)

15:20 CPAIOR2018 and CP2018 Presentation

14:30–15:30 Room 111 ICLP2: Systems and Tools
(chair: Mario Alviano)

- 14:30 Inspecting Maude Variants with GLINTS (Tool paper)
María Alpuente, Angel Cuenca-Ortega, Santiago Escobar and Julia Sapiña
- 15:00 Computing LPMLN Using ASP and MLN Solvers
Joohyung Lee, Samidh Talsania and Yi Wang

14:30–15:20 Room 110 SAT2: QBF SAT 1
(chair: Olaf Beyersdorff)

14:30 A Resolution-style Proof System for DQBF
Markus N. Rabe

14:55 From DQBF to QBF by Dependency Elimination
Ralf Wimmer, Andreas Karrenbauer, Ruben Becker, Christoph Scholl and Bernd Becker

15:30–16:00 Coffee, tea, refreshments (Foyer)

16:00–17:00 Room 109 CP: Awards
(chairs: Laurent Michel, Tias Guns)

16:00 ACP Research Excellence Award

16:30 ACP Dissertation Award

16:00–17:00 Room 111 ICLP3: Test of Time Award (10 years)
(chair: Mirek Truszczyński)

16:00 User-Definable Resource Bounds Analysis for Logic Programs
Jorge Navas, Edison Mera, Pedro Lopez-García, and Manuel V. Hermenegildo

16:00–17:30 Room 110 SAT3: Best Paper Awards
(chair: Friedrich Slivovsky)

16:00 Introducing Pareto Minimal Correction Subsets (Best Student Paper Award)

Miguel Terra-Neves, Inês Lynce and Vasco Manquinho

16:30 Shortening QBF Proofs with Dependency Schemes (Best Paper Award)

Joshua Blinkhorn and Olaf Beyersdorff

17:00 An Empirical Study of Branching Heuristics through the Lens of Global Learning Rate (Best Student Paper Honourable Mention)

Jia Liang, Vijay Ganesh, Krzysztof Czarnecki, Pascal Poupart and Hari Govind V K

17:00–17:50 Room 109 CP5: Modeling
(chair: Jimmy Lee)

17:00 Optimizing SAT Encodings for Arithmetic Constraints

Neng-Fa Zhou and Håkan Kjellerstrand

17:25 Modeling with Metaconstraints and Semantic Typing of Variables

Andre Cire, John Hooker and Talys Yunes

17:00–17:50 Room 112 CP6: Security and Attacks
(chair: Ciaran McCreesh)

- 17:00 A Tolerant Algebraic Side-Channel Attack on AES Using CP
Fanghui Liu, Waldemar Cruz, Chujiao Ma, Gregory Johnson and Laurent Michel
- 17:25 Android Database Attacks Revisited
Behnaz Hassanshahi and Roland Yap

17:00–18:00 Room 111 ICLP4: Technical Communications: Implementation & Tools
(chair: Amelia Harrison)

- 17:00 A Hitchhiker's Guide to Reinventing a Prolog Machine
Paul Tarau
- 17:12 Term Hiding and its Impact on Run-time Check Simplification
Nataliia Stulova, Jose F. Morales and Manuel V. Hermenegildo
- 17:24 Semantic Versioning Checking in a Declarative Package Manager
Michael Hanus
- 17:36 Logic Programming with Max-Clique and its Application to Graph Coloring
Michael Codish, Michael Frank, Amit Metodi and Morad Muslimany
- 17:48 Efficient Declarative Solutions in Picat for Optimal Multi-Agent Pathfinding
Neng-Fa Zhou and Roman Barták

18:00–20:00 Room 110 Opening reception

Drinks and canapés
Colette Colmerauer: Alain Colmerauer, a few clues...

Wednesday, 30th August

8:15–9:00 Registration and morning coffee (Foyer)

9:00–10:00 Room 109 Invited talk: Mark Wallace

Constraints and the 4th Industrial Revolution

10:00–10:30 Coffee, tea, refreshments (Foyer)

10:30–12:10 Room 109 CP7: Clustering, Mining, & Synthesis
(chair: Mohamed Siala)

- 10:30 Constraint Programming for Multi-criteria Conceptual Clustering
Maxime Chabert and Christine Solnon
- 10:55 A New Declarative Framework for Constrained Community Detection
Mohadeseh Ganji, James Bailey and Peter J. Stuckey
- 11:20 CoverSize: A Global Constraint for Frequency-based Itemset Mining
Pierre Schaus, John Aoga and Tias Guns
- 11:45 Constraint-Based Synthesis of Datalog Programs
Aws Albarghouthi, Paraschos Koutris, Mayur Naik and Calvin Smith

10:30–12:10 Room 112 CP8: Scheduling
(chair: Ken Brown)

- 10:30 An Incomplete Constraint-Based System for Scheduling With Renewable Resources
Cédric Pralet
- 10:55 Integer and Constraint Programming for Batch Annealing Process Planning
Willem-Jan Van Hoeve and Sridhar Tayur
- 11:20 NightSplitter: a scheduling tool to optimize (sub)group activities
Tong Liu, Jacopo Mauro, Maurizio Gabbriellini and Roberto Di Cosmo
- 11:45 Time-aware Test Case Execution Scheduling for Cyber-Physical Systems
Morten Mossige, Arnaud Gotlieb, Helge Spieker, Hein Meling and Mats Carlsson

10:30–12:00 Room 111 ICLP5: Knowledge Representation and Reasoning
(chair: Esra Erdem)

- 10:30 Representing Hybrid Automata by Action Language Modulo Theories
Joohyung Lee, Nikhil Loney and Yunsong Meng
- 11:00 Productive Corecursion in Logic Programming
Ekaterina Komendantskaya and Yue Li
- 11:30 Model Enumeration in Propositional Circumscription via Unsatisfiable Core Analysis
Mario Alviano

10:30–12:00 Room 110 SAT4: Clause learning and symmetry handling
(chair: Gilles Audemard)

- 10:30 Symmetric explanation learning: Effective dynamic symmetry handling for SAT
Jo Devriendt, Bart Bogaerts and Maurice Bruynooghe

- 10:55 An adaptive prefix-assignment technique for symmetry reduction
Tommi Junttila, Matti Karppa, Petteri Kaski and Jukka Kohonen
- 11:20 On the community structure of Bounded Model Checking SAT problems
Guillaume Baud-Berthier, Jesus Giráldez-Cru and Laurent Simon
- 11:45 Coverage-based Clause Reduction Heuristics for CDCL Solvers
Hidetomo Nabeshima and Katsumi Inoue

12:10–13:30 Lunch break (lunch not provided)

13:30–14:30 Room 109 Tutorial 3: Guido Tack

Introduction to Constraint Programming

13:30–14:30 Room 110 Tutorial 4: Tias Guns

Machine Learning and Data Science

14:30–15:30 Room 109 Invited talk: Enrico Pontelli

Back to the Future – Parallelism and Logic Programming

15:30–16:00 Coffee, tea, refreshments (Foyer)

16:00–17:40 Room 204 CP: Best Papers
(chair: Chris Beck)

- 16:00 Arc consistency via Linear Programming
Grigori German, Olivier Briant, Hadrien Cambazard and Vincent Jost
- 16:25 Reduced Cost Fixing in MaxSAT
Fahiem Bacchus, Matti Järvisalo, Paul Saikko and Antti Hyttinen
- 16:50 Optimal Torpedo Scheduling
Adrian Goldwaser and Andreas Schutt
- 17:15 Improved Filtering for the Bin-Packing with Cardinality Constraint
Guillaume Derval, Jean-Charles Regin and Pierre Schaus

17:40–18:10 Room 204 CP: Competitions
(chair: Chris Beck)

17:40 XCSP Competition and MiniZinc Challenge Results

16:00–17:30 Room 209 ICLP6: Reasoning
(chair: Vladimir Lifschitz)

- 16:00 Finite Model Reasoning over Existential Rules (Best Student Paper)
Giovanni Amendola, Nicola Leone and Marco Manna
- 16:30 Ticker: A System for Incremental ASP-based Stream Reasoning
Harald Beck, Thomas Eiter and Christian Folie
- 17:00 When You Must Forget: Beyond Strong Persistence when Forgetting in Answer Set Programming
Ricardo Gonçalves, Matthias Knorr, Joao Leite and Stefan Woltran

16:00–17:30 Room 210 SAT5: SAT encoding
(chair: Serge Gaspers)

- 16:00 SAT-Encodings for Special Treewidth and Pathwidth
Neha Lodha, Sebastian Ordyniak and Stefan Szeider
- 16:25 CNFgen: a Generator of Crafted Benchmarks (tool paper)
Massimo Lauria, Jan Elffers, Jakob Nordstrom and Marc Vinyals
- 16:40 short break
- 16:50 A lower bound on CNF encodings of the at-most-one constraint
Petr Kucera, Petr Savicky and Vojtech Vorel
- 17:15 SAT-Based Local Improvement for Finding Tree Decompositions of Small Width
Johannes K. Fichte, Neha Lodha and Stefan Szeider

17:30–19:00 Room 209 ICLP7: Technical Communications: Knowledge Representation & Probabilistic Logic Programming
(chair: Paul Tarau)

- 17:30 Entity Set Expansion from the Web via Answer Set Programming (application paper)
Weronika T. Adrian, Marco Manna, Nicola Leone, Giovanni Amendola, and Marek Adrian
- 17:42 Understanding Restaurant Stories Using an ASP Theory of Intentions
Daniela Incezan, Qinglin Zhang, Marcello Balduccini and Ankush Israney
- 17:54 Reasoning on Anonymity in Datalog+/-
Giovanni Amendola, Nicola Leone, Marco Manna and Pierfrancesco Veltri
- 18:06 The Ingredients of the Argumentation Reasoner pyglaf: Python, Circumscription, and Glucose to Taste (system and tool paper)
Mario Alviano
- 18:18 Learning Effect Axioms via Probabilistic Logic Programming
Rolf Schwitter

18:30 Rule Based Temporal Inference
Melisachew Wudage Chekol and Heiner Stuckenschmidt

17:30–18:30 Room 210 SAT Plenary

17:30 SAT Business Meeting

19:30–21:30 Room 207 ICLP Programming Competition

Thursday, 31st August

8:00–8:45 Registration and morning coffee (Foyer)

8:45–9:00 Room 109 Industry presentation: Daniel Hulme

Optimisation-as-a-Service with the Satalia SolveEngine

9:00–10:00 Room 109 Invited talk: Nina Narodytska

Recent advances in Maximum Satisfiability

10:00–10:30 Coffee, tea, refreshments (Foyer)

10:30–12:10 Room 109 CP9: Explanations, Nogoods, Cuts, and Preferences
(chair: Claude-Guy Quimper)

10:30 Combining Nogoods in Restart-Based Search
Gael Glorian, Frederic Boussemart, Jean-Marie Lagniez, Christophe Lecoutre and Bertrand Mazure

10:55 Preference Elicitation for DCOPs
Atena M. Tabakhi, Tiep Le, Ferdinando Fioretto and William Yeoh

11:20 Generating Linear Invariants for a Conjunction of Automata Constraints
Ekaterina Arafailova, Nicolas Beldiceanu and Helmut Simonis

11:45 Clique Cuts in Weighted Constraint Satisfaction
Simon De Givry and George Katsirelos

10:30–12:10 Room 112 CP10: Scheduling & Sequencing
(chair: Cedric Pralet)

- 10:30 An efficient SMT approach to solve MRCPSP/max instances with tight constraints on resources
Jordi Coll, Miquel Bofill, Josep Suy and Mateu Villaret
- 10:55 Constraint Programming applied to the Multi-Skill Project Scheduling Problem
Kenneth D. Young, Thibaut Feydy and Andreas Schutt
- 11:20 Hybrid Optimization Methods for Time-Dependent Sequencing Problems
Joris Kinable, Andre Augusto Cire and Willem-Jan Van Hoeve
- 11:45 Job Sequencing Bounds from Decision Diagrams
John Hooker

10:30–12:00 Room 111 ICLP8: Higher Order Logic
(chair: Agostino Dovier)

- 10:30 The Intricacies of 3-Valued Extensional Semantics for Higher-Order Logic Programs (Best Paper)
Panos Rondogiannis and Ioanna Symeonidou
- 11:00 Constraint Handling Rules with Binders, Patterns and ∇ Quantification
Alejandro Serrano and Jurriaan Hage
- 11:30 Best ICLP Doctoral Program Presentation

10:30–12:00 Room 110 SAT6: Algorithms, Complexity, and Lower Bounds
(chair: Fahiem Bacchus)

- 10:30 Backdoor Treewidth for SAT
Robert Ganian, M. S. Ramanujan and Stefan Szeider
- 10:55 Probabilistic Model Counting with Short XORs
Dimitris Achlioptas and Panos Theodoropoulos
- 11:20 New Width Parameters for Model Counting
Robert Ganian and Stefan Szeider
- 11:45 Hard satisfiable formulas for splittings by linear combinations
Dmitry Itsykson and Alexander Knop

12:10–13:30 Lunch break (lunch not provided)

13:30–14:00 Room 109 Plenary

Session in Honour of Alain Colmerauer. Chair: Chris Beck

14:00–15:30 Room 109 CP Plenary

14:00 ACP Annual Meeting

14:00–15:30 Room 111 ICLP Plenary

14:00 ALP General Meeting

14:00–15:30 Room 110 SAT7: Competition results
(chair: Laurent Simon)

14:00 MaxSAT Evaluation 2017

Carlos Ansótegui, Fahiem Bacchus, Matti Jarvisalo and Ruben Martins

14:30 Competitive Evaluation of QBF Solvers (QBFEVAL'17)

Luca Pulina and Martina Seidl

15:00 SAT competition 2017

Marijn Heule, Matti Jarvisalo and Tomas Balyo

15:30–18:00 Guided tours

18:30–22:30 Conference banquet

Sea Life Melbourne Aquarium, King St entrance

Friday, 1st September

8:15–9:00 Registration and morning coffee (Foyer)

9:00–10:00 Room 109 Invited talk: Agostino Dovier

The role of SAT, CP, and Logic Programming in Computational Biology

10:00–10:30 Coffee, tea, refreshments (Foyer)

10:30–12:10 Room 109 CP11: SAT
(chair: Christophe Lecoutre)

- 10:30 Integrating ILP and SMT for Shortwave Radio Broadcast Resource Allocation and Frequency Assignment
Linjie Pan, Jiwei Jin, Xin Gao, Wei Sun, Feifei Ma, Minghao Yin and Jian Zhang
- 10:55 Weight-Aware Core Extraction in SAT-Based MaxSAT Solving
Jeremias Berg and Matti Järvisalo
- 11:20 MaxSAT-Based Large Neighborhood Search For High School Timetabling
Emir Demirović and Nysret Musliu
- 11:45 Solving Multiobjective Discrete Optimization Problems with Propositional Minimal Model Generation
Takehide Soh, Mutsunori Banbara, Naoyuki Tamura and Daniel Le Berre

10:30–12:10 Room 112 CP12: Constraint Types
(chair: Nicolas Beldiceanu)

- 10:30 A Novel Approach to String Constraint Solving
Roberto Amadini, Graeme Gange, Peter J. Stuckey and Guido Tack
- 10:55 Solving Constraint Satisfaction Problems Containing Vectors of Unknown Size
Erez Bilgory, Eyal Bin and Avi Ziv
- 11:20 Defining and Evaluating Heuristics for the Compilation of Constraint Networks
Jean Marie Lagniez, Pierre Marquis and Anastasia Paparrizou
- 11:45 Extending Compact-Table to Basic Smart Tables
Hélène Verhaeghe, Christophe Lecoutre, Yves Deville and Pierre Schaus

10:30–12:00 Room 111 ICLP9: Answer Set Programming
(chair: Jia-Huai You)

- 10:30 Achievements in Answer Set Programming
Vladimir Lifschitz
- 11:00 Constraints, Lazy Constraints, or Propagators in ASP Solving: An Empirical Analysis
Bernardo Cuteri, Carmine Dodaro, Francesco Ricca and Peter Schüller
- 11:30 Clingo goes Linear Constraints over Reals and Integers
Tomi Janhunnen, Roland Kaminski, Max Ostrowski, Torsten Schaub, Sebastian Schellhorn and Philipp Wanko

10:30–12:00 Room 110 SAT8: SMT and certificates
(chair: Armin Biere)

- 10:30 On Simplification of Formulas with Unconstrained Variables and Quantifiers
Martin Jonas and Jan Strejček
- 10:55 Theory Refinement for Program Verification
Antti Hyvärinen, Sepideh Asadi, Karine Even-Mendoza, Grigory Fedyukovich, Hana Chockler and Natasha Sharygina
- 11:20 A Benders Decomposition Approach to Deciding Modular Linear Integer Arithmetic
Bishoksan Kafle, Graeme Gange, Peter Schachte, Harald Sondergaard and Peter J. Stuckey
- 11:45 The GRAT Tool Chain: Efficient (UN)SAT Certificate Checking with Formal Correctness Guarantees (tool paper)
Peter Lammich

12:10–13:30 Lunch break (lunch not provided)

13:30–15:35 Room 109 CP13: Global Constraints
(chair: Roland Yap)

- 13:30 Among Implied Constraints for Two Families of Time-Series Constraints
Ekaterina Arafailova, Nicolas Beldiceanu and Helmut Simonis
- 13:55 Ranking Constraints
Christian Bessiere, Emmanuel Hebrard, George Katsirelos, Zeynep Kiziltan and Toby Walsh
- 14:20 Three Generalizations of the Focus Constraint
Nina Narodytska, Thierry Petit, Mohamed Siala and Toby Walsh
- 14:45 Conjunctions of Among Constraints
Victor Dalmau
- 15:10 Learning the Parameters of Global Constraints Using Branch-and-Bound
Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney

13:30–15:35 Room 112 CP14: Routing and Transportation
(chair: Andreas Schutt)

- 13:30 Constraint Handling in Flight Planning
Anders Nicolai Knudsen, Marco Chiarandini and Kim S. Larsen
- 13:55 Constraint-Based Fleet Design Optimisation for Multi-Compartment Split-Delivery Rich Vehicle Routing
Tommaso Urli and Philip Kilby

- 14:20 A Column-Generation Algorithm for Evacuation Planning with Elementary Paths
Mohd. Hafiz Hasan and Pascal Van Hentenryck
- 14:45 Branch-and-Check with Explanations for the Vehicle Routing Problem with Time Windows
Edward Lam and Pascal Van Hentenryck
- 15:10 An Optimization Model for 3D Pipe Routing with Flexibility Constraints
Gleb Belov, Tobias Czauderna, Maria Garcia de La Banda, Mark Wallace, Michael Wybrow and Amel Dzaferovic

13:30–14:30 Room 111 ICLP10: Test of Time Award (20 years)
(chair: Gopal Gupta)

- 13:30 Hybrid Probabilistic Programs
Alex Dekhtyar and V.S. Subrahmanian

13:30–14:35 Room 110 SAT9: Parallel SAT solving
(chair: Alexey Ignatiev)

- 13:30 A Distributed Version of Syrup
Gilles Audemard, Jean Marie Lagniez, Nicolas Szczepanski and Sebastien Tabary
- 13:55 PalnLeSS: a Framework for Parallel SAT Solving
Ludovic Le Frioux, Souheib Baarir, Julien Sopena and Fabrice Kordon
- 14:20 A Propagation Rate based Splitting Heuristic for Divide-and-Conquer Solvers
Saeed Nejati, Zack Newsham, Joseph Scott, Jia Liang, Catherine Gebotys, Pascal Poupart and Vijay Ganesh

14:45–15:35 Room 110 SAT10: QBF SAT 2
(chair: Olaf Beyersdorff)

- 14:45 Dependency Learning for QBF
Tomáš Peitl, Friedrich Slivovsky and Stefan Szeider
- 15:10 A Little Blocked Literal Goes a Long Way
Benjamin Kiesl, Marijn Heule and Martina Seidl

14:30–15:30 Room 111 ICLP11: Defeasible and Default Reasoning
(chair: Francesco Ricca)

- 14:30 Annotated Defeasible Logic
Guido Governatori and Michael Maher

15:00 A New Algorithm to Automate Inductive Learning of Default Theories
Farhad Shakerin, Elmer Salazar and Gopal Gupta

15:30–16:00 Coffee, tea, refreshments (Foyer)

16:00–17:30 Room 111 ICLP12: Applications
(chair: Michael Codish)

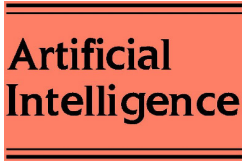
16:00 Hybrid Conditional Planning using Answer Set Programming
Ibrahim Faruk Yalciner, Ahmed Nouman, Volkan Patoglu and Esra Erdem

16:30 Improving Adherence to Heart Failure Management Guidelines via Abductive Reasoning (Application Paper)
Zhuo Chen, Elmer Salazar, Kyle Marple, Lakshman Tamil, Gopal Gupta, Sandeep Das and Alpesh Amin

17:00 Logic Programming Approaches for Routing Fault-free and Maximally-parallel Wavelength Routed Optical Networks on Chip (Application paper)
Marco Gavanelli, Maddalena Nonato, Andrea Peano and Davide Bertozzi

17:30 Conference closes (Foyer)

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