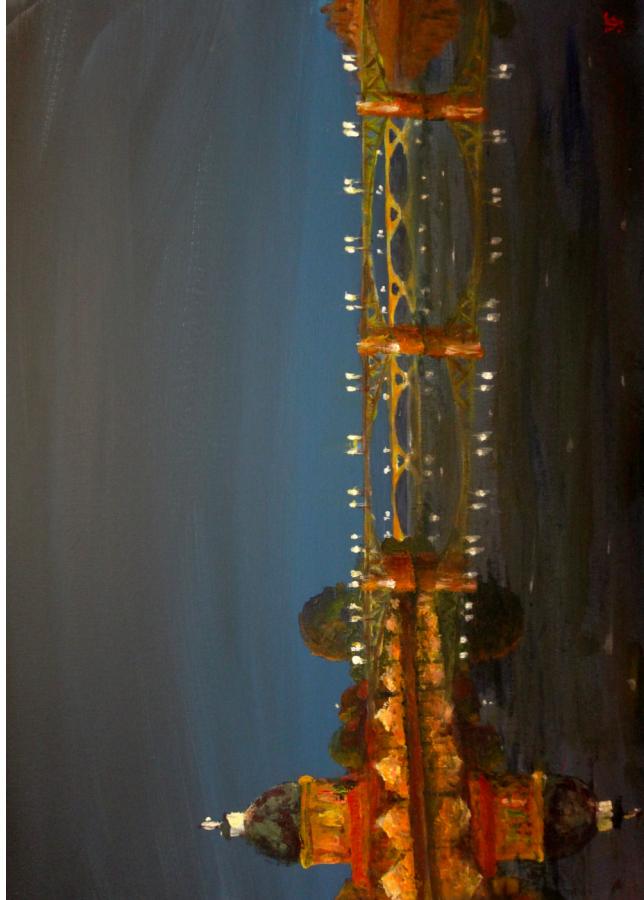


22nd International Conference on Principles and Practice of Constraint Programming

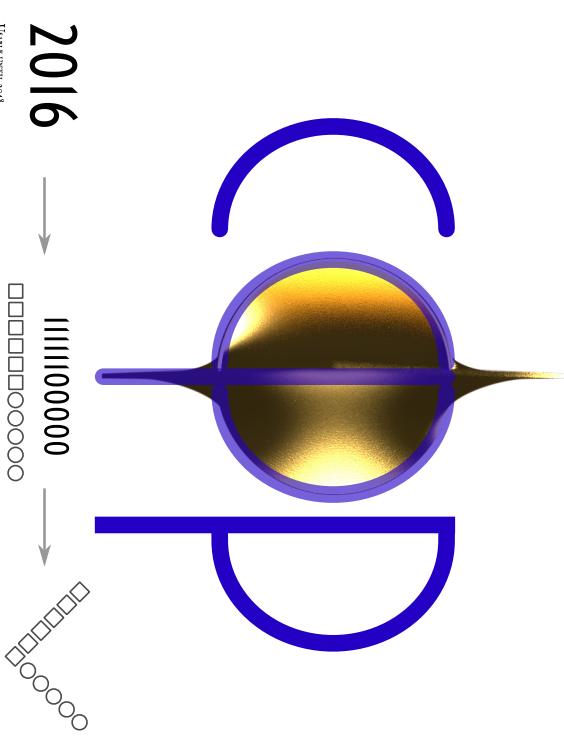
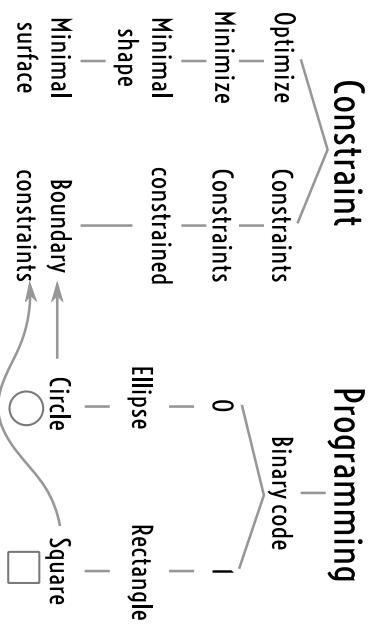
Programme

September 5–9
Toulouse, France



ACP

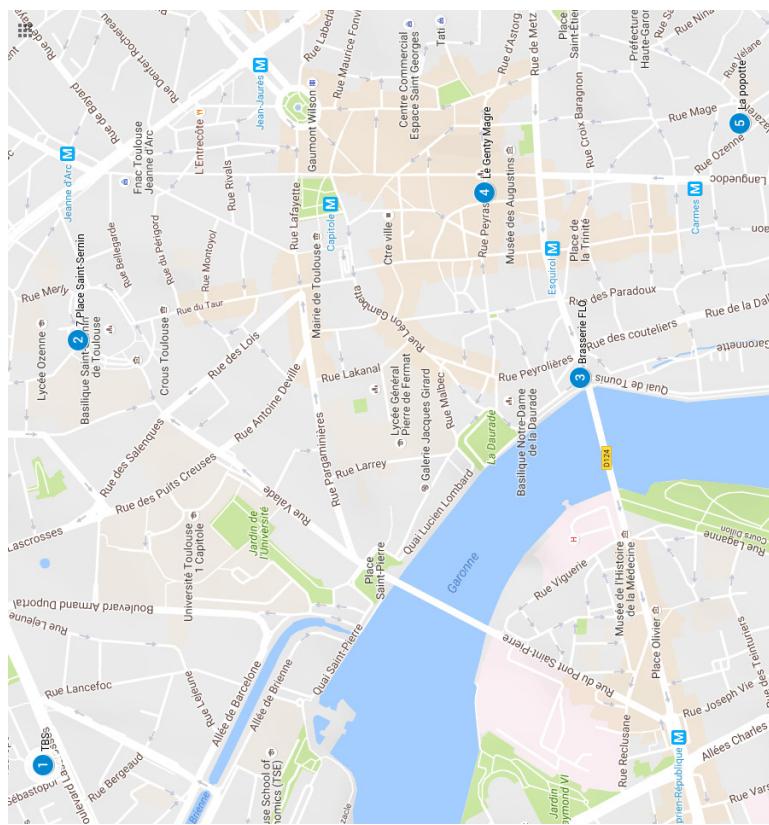
The Genesis of the CP'2016 shape



Clueless puzzle rules:
solutions are integer latin squares whose “regions” all have the same sum
<http://www.math.smith.edu/~jhenle/clueless>

Dinners Map

The Guide Michelin and the Fourchette (aka thefork.com) Web sites suggest many places for your dinners near the Conference (see the CP'16 Web site, then go to Toulouse > Accommodation for the Web links and apps). Reserved Social Dinners will take place there.



Foreword

We warmly welcome you to Toulouse and the campus of the Toulouse Business School where the 22nd International Conference on Principles and Practice of Constraint Programming will take place this year. We hope you will enjoy the scientific and social programme of CP2016 with five workshops, the doctoral program, four invited talks and four tutorials, twelve technical sessions, three application sessions, three journal-first and sister conferences sessions and for the first time this year, a series of six thematic sessions on dedicated topics: verification, music, computational biology, computational sustainability, and preferences & social choice.

We would like to sincerely thank those that contributed to the organization of the conference both in the program and local organisation committees. The list of names is far too long to fit here and we invite people to visit the conference web site at cp2016.acp.org for details.¹

This year the organisation relies on an informal consortium of research institutes, schools and universities from Toulouse area where CP is developed. We would like to thank all our organisations, the Toulouse Business School (TBS, our host), the Université de Toulouse, the Institut de Recherche en Informatique de Toulouse (IRIT), the Institut National des Sciences Appliquées (INSA Toulouse), the Institut National de la Recherche Agronomique (INRA, MIAT), the LAAS/CNRS (ROC team), the École des Mines d'Albi-Carmaux (EMAC), the École Nationale de l'Aviation Civile (ENAC), the Office National d'Etudes et de Recherche Aérospatiales (ONERA), the Institut Supérieur de l'Aéronautique et de l'Espace (ISAE-SUPAERO), and the Institut National Polytechnique (INP) for supporting us in the organisation of this event. Together, we have tried to provide you with an enjoyable event that will not only allow you to explore the edge of CP but also the blend of history, tradition and high technology of Toulouse and the Occitanie region, including its food, wines and joie de vivre!

1 Toulouse Business School: Main location of the conference.

2 Le 7, place Saint-Sernin: Configuration workshop dinner (Monday).

3 Brasserie FLO: Doctoral programme dinner (Tuesday).

4 Le Genty Magre: ACP dinner (Wednesday).

5 La Popote: Senior PC dinner (Wednesday).

The organizing committee

20, Boulevard Lascrosses, GPS: 43.609515, 1.430812

7, place Saint-Sernin, GPS: 43.60888, 1.4415

1 quai de la Daurade, GPS: 43.59975, 1.44055

3, rue Genty Magre, GPS: 43.60149, 1.44521

10, rue de la Pleau, GPS: 43.59684, 1.44696

¹Wifi login and password are inside your badge.

Toulouse Business School's Campus



Doctoral programme **Monday 05 September** morning

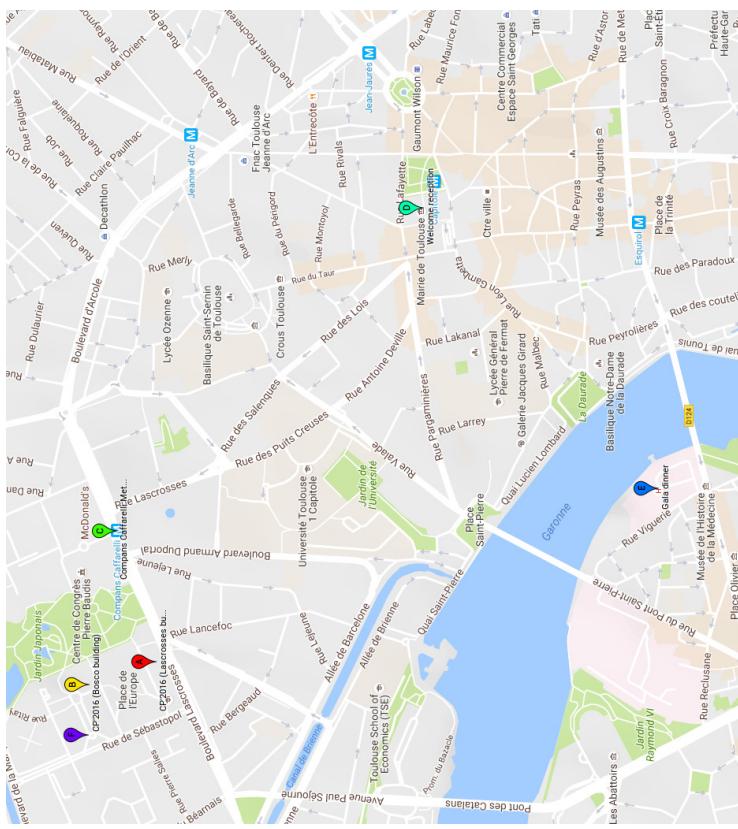
08h15 – 09h00
10h00 – 10h30

Welcome
Coffee Break

10h30 – 12h00 Doctoral Programme Amphithéâtre Bosco

12h00 – 13h30 Lunch Break

Useful Locations



The Events will take place in:

A Toulouse Business School: The main location of the conference (Grand Amphitheatre).

20, Boulevard Lascrosses, GPS: 43.609515, 1.430812

B Toulouse Business School—Bosco building: The alternative location (Amphi Bosco).

Place Alphonse Jourdain — Chemin Henri Bosco, GPS: 43.611017, 1.431261

C Compans-Caffarelli: The closest subway station.

16, boulevard Lascrosses, GPS: 43.610529, 1.435420

D Town Hall: The location of the welcome reception (Tuesday).

Place du Capitole, GPS: 43.604275, 1.444961

E Hôtel Dieu: The location of the gala dinner (Thursday).

2, rue Vignerie, GPS: 43.599851, 1.436506

F Place de l'Europe Car Park: The closest car park.

18, place Alphonse Jourdain, GPS: 43.611018, 1.42987

Doctoral programme	Monday 05 September	afternoon
	13h30 – 15h00	Doctoral Programme Amphi Bosco

• Invited talk: Louis-Martin Rousseau	15h30 – 17h30	Doctoral Programme Amphi Bosco
• <i>A Monte Carlo Large Neighbourhood Search for Vehicle Routing Problems</i> , Katharina Glock, Anne Meyer and Guido Tack		
• <i>Studying parallel communication strategies with POSL</i> , Alejandra Reyes Amaro, Eric Monfroy and Florian Richoux		
• <i>An Interval Filtering Operator for Upper and Lower Bounding in Constrained Global Optimization</i> , Olivier Sans, Remi Coletta and Gilles Trombettoni		
	15h00 – 15h30	Coffee Break
	15h30 – 17h30	Doctoral Programme Amphi Bosco
• <i>A Portfolio Approach for Enforcing Minimality in a Tree Decomposition</i> , Daniel J. Geschwender, Robert J. Woodward, Berthe Y. Choueiri and Stephen D. Scott		
• <i>Mining frequent patterns using CP: a comparative study</i> , Valentin Lemière, Yann Dauphais, Patrice Boizumault and Arnaud Lallouet		
• <i>Learning parameters for the Sequence constraint from positive examples</i> , Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney		
• <i>Constraint Programming for Strictly Convex Integer Quadratically-Constrained Problems</i> , Wei-Yang Kui and Chris Beck		
• <i>Constraint Programming For Mining Partially Ordered Motifs</i> , Vincent Vigneront, David Lesaint, Barry Hurley, Deepak Mehta and Barry O'sullivan		
• <i>A global constraint for closed itemset mining</i> , Nadège Lazaar, Yahia Lebbah, Samir Louhdi, Mehdi Maamar, Valentin Lemière, Christian Bessiere and Patrice Bonzmann		
• <i>Debugging Unsatisfiable Constraint Models</i> , Kevin Leo and Guido Tack		
• <i>A Bounded Path Propagator on Directed Graphs</i> , Diego de Uña, Graeme Gange, Peter Schachte and Peter J. Stuckey		
• <i>Multiple Constraint Acquisition</i> , Robin Arcangioli, Christian Bessiere and Nadège Lazaar		
• <i>A DP-based MCMC Framework for Solving DCOPs with GPUs</i> , Ferdinando Fioretto, Enrico Pontelli and William Yeoh		
• <i>Synchronous Space Programming</i> , Pierre Talbot, Carlos Agon and Philippe Esling		
• <i>Clique and Constraint Models for Maximum Common (Connected) Subgraph Problems</i> , Ciaran McCraeesh, Samba Ndioph Ndiaye, Patrick Prosser and Christine Solnon		
• <i>Embarrassingly Parallel Search Reengineered</i> , Guillaume Derval, Pierre Schaus and Jean-Charles Régin		

17h45 – 18h45	ACP challenge – Pierre Schaus	Grand Amphitheatre
17h30 – 19h30	Toulbar2 Projects Meeting	B151

Doctoral Programme Dinner

20h00 – 23h00

Workshops

Monday 05 September

15h30 – 16h20 Technical Session (11): SAT, SMT Grand Amphitheatre

09h00 – 17h00 Constraint-Based Methods for Bioinformatics B201

- Alessandro Dal Palù, Agostino Dovier, Andrea Formisano, Alberto Policriti, Enrico Pontelli. *Logic Programming Applied to Genome Evolution in Cancer*
- Katica Becker, Martin Gebser*, Torsten Schaub and Alexander Bockmayr. *Answer Set Programming for Logical Analysis of Data*

10h00 – 10h30 Coffee Break

- Louis Fippo Fitime, Olivier Roux, Carito Guzilowski and Loïc Paulevé. *Identification of Bifurcations in Biological Regulatory Networks using Answer-Set Programming*
- Jean-Marc Alliot, Martin Diéguez and Luis Farinas del Cerro. *Metabolic Pathways as Temporal Logic Programs*
- Martin Mottet, Philippe Dague, Sabine Peres and Laurent Simon. *Minimality of Metabolic Flux Modes under Boolean Regulation Constraints*

12h00 – 13h30 Lunch Break

- Clément Viricel, David Simorancin, Thomas Schaeck and Sophie Barbe. *Guaranteed Weighted Counting for Affinity Computation: beyond Determinism and Structure (CP2016 paper)*
- Mayayara Wanggren, Martin Bileter, and Graham Kemp. *Computational protein modelling based on limited sets of constraints*
- Ludwig Krippahl and Pedro Barahona. *Improving protein docking with redundancy constraints (CP2016 paper)*

15h30 – 16h20 Technical Session (12): scheduling Amphi Bosco

- Alexey Ignatiev, Alessandro Previti and Joao Marques-Silva. *On Finding Minimum Satisfying Assignments*
- Ozgur Akgun, Ian Gent, Christopher Jefferson, Ian Miguel and Peter Nightingale. *Exploiting Short Supports for Improved Encoding of Arbitrary Constraints into SAT*

16h20 – 17h00 Farewell coffee

Conference

Saturday 10 September

15h30 – 16h20 Technical Session (11): SAT, SMT Grand Amphitheatre

09h30 – 18h00 CSPLib Sprint Room 133

- Ria Sereci and Andreas Schutt. *Modeling and Solving Multi-Mode Resource-Constrained Project Scheduling*
- O(n²·log n) *A Nearly Exact Propagation Algorithm for Energetic Reasoning in*

Farewell coffee

Conference

Monday 05 September

10h30 – 10h45 Constraint Modelling and Reformulation B102

- G. Schenner and R. Taupe. *Encoding Object-oriented Models in MiniZinc*
- K. Leo and G. Tack. *Debugging Unsatisfiable Constraint Models*
- G. Perez and J.-C. Regin. *Building efficient soft and cost MDD constraints*

12h00 – 13h30 Lunch Break

- W. Swamiaghul, Y.-F. Li, and G. Tack. *CP4DL: Constraint-based Reasoning for Expressive Description Logics*
- M. Codish, M. Frank, and V. Lagoon. *DNA Word Design: A New Constraint Model and New Results*
- Z. Erraji, A. Hakkon, A. Benannanane, I. Benelallam, and El H. Bouyakhf. *A Distributed Constraint Reasoning Approach Towards Intelligent Marketplace Environment*

15h00 – 15h30 Coffee Break

- V. Armanit and K. N. Brown. *Reformulation of Drivers' Fixed Path Constraints in Ridesharing Problems*
- S. D. Prestwich, S. A. Tafim, and R. Rossi. *Constraint Problem Specification as Compression*

Conference	Friday 09 September	
09h00 – 10h00	Invited talk: <i>Evidence-Based Optimization of Complex Infrastructures –</i> Pascal Van Hentenryck	Grand Amphitheatre

10h00 – 10h30	Coffee Break	
10h30 – 11h45	Technical Session (8): Scheduling Grand Amphitheatre	
	• Alessio Bonfietti, Michele Lombardi, Alessandro Zanarini and Michela Milano. <i>The Multivariate Resource Constraint</i>	
	• Andreas Schütt and Peter J. Stuckey. <i>Explaining Producer/Consumer Constraints</i>	
	• Sascha Van Canwenbergh, Cyrille Dejemeppe, Jean-Noël Monette and Pierre Schaus. <i>Efficient Filtering for the Unary Resource with Family-based Transition Times</i>	

11h45 – 12h10	Minizinc challenge	Grand Amphitheatre
10h30 – 12h10	Journal-First and Sister Conferences session (3): MIP, relaxations	Amphi Bosco
	• Giovanni Di Liberto, Serdar Kadioglu, Kevin Leo and Yuri Malitsky. <i>DASH: Dynamic Approach for Switching Heuristics</i>	
	• Cristina Fulga. <i>AHP based portfolio selection with risk preference modeling</i>	
	• Kyle E. C. Booth, Tony T. Tran, Goldie Nejat and Chris Beck. <i>Mixed-Integer and Constraint Programming Techniques for Mobile Robot Task Planning</i>	
	• Adrian Weller, Mark Rowland and David Sonntag. <i>Tightness of LP relaxations for almost balanced models</i>	
12h10 – 13h10	(Packed) Lunch	

13h40 – 15h20	Technical Session (9): Modelling, MIP	Grand Amphitheatre
	• Harsha Nagarajan, Moween Lu, Ehme Yamaugil and Russell Bent. <i>Tightening McCormick Relaxations for Nonlinear Programs via Dynamic Multivariate Partitioning</i>	
	• Wen-Yang Ku and Chris Beck. <i>Constraint Programming for Strictly Convex Integer Quadratically-Constrained Problems</i>	
	• Ciaran McCreech, Samba Ndeij Ndiaye, Patrick Prosser and Christine Solnon. <i>Clique and Constraint Models for Maximin Common (Connected) Subgraph Problems</i>	
	• Gleb Belov, Peter Stuckey, Guido Tack and Mark Wallace. <i>Improved Linearization of Constraint Programming Models</i>	
13h40 – 15h20	Technical Session (10): Learning, decomposition	Amphi Bosco

15h00 – 17h30	Thibaut Feydy and Peter J. Stuckey. <i>Interval Constraint with Learning : Application to Air Traffic Control</i>	
	• Maxim Shishmarev, Christopher Mears, Maria Garcia De La Banda and Guido Tack. <i>Learning from Learning Solvers</i>	
	• Philippe Jegou, Hanan Kauso and Cyril Terrioux. <i>Towards a Dynamic Decomposition of CSPs with Separators of Bounded Size</i>	
	• Diego de Uña, Graeme Gange, Peter Schachte and Peter J. Stuckey. <i>A Bounded Path Propagator on Directed Graphs</i>	

09h00 – 17h30	CP meets Verification	B202
	• Invited talk – <i>Challenges of Program Verification with SPARK: Yannick Moy</i>	
	• <i>Maxing Polyedra and Boxes Abstract Domain for Constraint Solving</i> , Marie Pelleau, Emmanuel Rauzy, Ghiles Ziat, Charlotte Truchet, Antoine Mine.	
10h00 – 10h30	Coffee Break	
10h30 – 11h45	Technical Session (8): Model-Constructing Satisfiability Calculus: Dejan Jovanovic	
	• Invited talk – <i>Model-Constructing Satisfiability Calculus: How to convert procedural code to constraints!</i> Peter Stuckey	
	• An Improved Constraint Programming Model for Parametric Interval Markov Chain Verification, Anicet Bart, Benoît Delahaye, Éric Monfroy, Charlotte Truchet	
12h00 – 13h30	Lunch Break	
13h40 – 15h30	Invited talk – <i>Constraint Satisfaction over Bit-Vectors</i> , Laurent Michel	
	• Tight coupling between bit-vector and integer domains can surpass bit-blasting SMT solvers, Zakaria Chihani	
	• On Finding program input values maximizing the rounding-off error, Mohammed Said Belaid, Claude Michel, Yahia Lebbah, Michel Rueher	
15h00 – 15h30	Invited talk – <i>The use of Constraint Programming in the testing and analysis of a telecommunications protocol</i> , Justin Pearson	
	• Invited talk – <i>Network Verification: When less is more, but not always</i> : Andrey Rybalchenko	
	• F-CPminer*: A new approach for fault localization using constraint-based data mining, Mehdi Maamar, Noureddine Aribi, Nadjib Lazzaar, Yahia Lebbah, Samir Louidni	
	• Discussions.	
13h30 – 17h30	Coffee Break	CP and AI
	• Introduction: Eugene Freuder	
	• Invited Talk: <i>From Constraint Programming to Probabilistic Programming to Approximate Programming: Observations and Thoughts</i> Rina Dechter	
	• Position paper: <i>Graphical models, an articulation point between Constraint Programming & Machine Learning</i> Thomas Schliex	
	• Abstract: <i>Stochastic Constraint Programming and Reinforcement Learning</i> Steven Prestwich, Roberto Rossi and Armagan Tarim	
	• Abstract: <i>Empirical Model Learning, and the integration of machine learning models in CP</i> Tias Guns, Michèle Lombardi, Michael Milano and Pascal Van Hentenryck	
	• Position Paper: <i>Explanations for Human-Aware CP</i> Eugene Freuder	
15h00 – 15h30	Coffee Break	
	• Abstract: <i>Exact Solution Counting for Artificial Intelligence based on Decomposition of Constraint Networks</i> Philippe Jégou, Hanan Kauso and Cyril Terrioux	
	• Position paper: <i>Declarative Programming in Artificial Intelligence</i> Siegfried Nijsen	
	• Position paper: <i>Towards ethical agents in Distributed Constraints Reasoning</i> Ghizlane El Khattabi, Benedallam Imade, Bouyakhl El Houssine and Rajae Haouari	
	• Abstract: <i>Success Stories of CP in Data Mining</i> Tias Guns	
	• Position paper: <i>CP and AI – Promoting and Publicizing CP for AI and CP as AI – and Vice Versa</i>	

Thursday 08 September**Welcome**

- Recommendation for product configuration: an experimental evaluation.** Hélène Fargier, Pierre-François Grinenez and Jérôme Mengin.
- Recommending and Configuring Smart Home Installations.** Gerhard Leitner, Alexander Felfernig, Seda Polat Erdeniz, Arda Alkey, Antonin Fercher, Klaus Isak and Michael Jeran

10h00 – 10h30

Coffee Break

12h00 – 13h30

- Concurrent configuration of product and process : moving towards ETO and dealing with uncertainties.** Sylle Abdourahim, Elise Vareilles, Michel Aldanondo, Thierry Couder, Laurent Geneste and Paul Pirot.
- Assessing configurator user need for social interaction during the product configuration process.** Chiara Grossi, Cipriano Forza and Alessio Trentini.
- Improved Performance and Quality of Configuration Systems by Receiving Real-Time Information from Suppliers.** Katrin Kristjansdóttir, Sara Shafaei, Martin Bonev, Lars Hyvæn, Morten Hugo Bennick and Christian S. Andersen.

12h00 – 13h30

Lunch Break

- Deriving Tighter Component Cardinality Bounds for Product Configuration.** Richard Taupe, Andreea Falkner and Gottfried Schenker.

- Automatic Configuration of Hybrid Mathematical Models.** Michael Barry and René Schumann.

- Solving the Partner Units Configuration Problem with Heuristic Constraint Answer Set Programming.** Enrico Teppan.

15h00 – 15h30

Coffee Break

- Towards Group-Based Configuration.** Alexander Felfernig, Müşüm Atas, Trang Tran and Martin Stettlinger.

- Towards Configuration Technologies for IoT Gateway.** Alexander Felfernig, Seda Polat Erdeniz, Arda Alkey, Paolo Azzoni and Charalampos Doukas.

- Towards Modularization and Configuration of Services – Current Challenges and Difficulties.** Thorsten Krebs and Aleksander Lubasinski.
- Determining New Components for Open Configuration.** Linda Zhang and Xiaoyu Chen.
- Future Configuration Challenges and next Edition (CWS2017)

20h00 – 23h00

Configuration Workshop Dinner

Workshops

Tuesday 06 September

10h00 – 10h30

Coffee Break

- Interactive Configuration of Insulating Envelopes.** Andrés Felipe Barco Santa, Élise Vareilles, Michel Aldanondo and Philippe Chantay.

- StudyBattles: A Learning Environment for Knowledge-based Configuration.** Alexander Felfernig, Anual Shehabeh, Christian Grießl, Michael Jeran, Trang Tran, Müşüm Atas, Seda Polat Erdeniz, Martin Stettlinger, Arda Alkey and Stefan Reiterer.
- Finding pre-production vehicle planning using Max-SAT framework.** Marcel Tiepelt and Tilak Raj Singh.

- CWS Best Paper Award and Conclusion

- Invited talk: Optimization and Control in the Smart Grid and Beyond – Zico Kolter**

09h45 – 10h15

Coffee Break

10h15 – 12h00

Best Papers

12h00 – 13h30

Grand Amphitheatre

- Krishnamurthy Dvijotham, Pascal Van Hentenryck, Michael Chertkov, Siddhant Misra and Marc Vinyatisoontorn.
- Graphical models for optimal power flow**
- David Manlove, Iain McBride and James Thimble. ‘Almost-stable’ matchings in the Hospitals / Residents problem with Couples
- Clément Carbonnel. **The Dichotomy for Conservative Constraint Satisfaction is Polynomially Decidable**
- Kyle E. C. Booth, Goldie Nejat and J. Christopher Beck. **A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes**

12h00 – 13h30

Lunch

13h30 – 14h20

CP and Biology Session

14h20 – 15h30

Grand Amphitheatre

- Clement Viricel, David Simoncini, Thomas Schiex and Sophie Barbe. **Guaranteed Weighted Counting for Affinity Computation: beyond Determinism and Structure**

- Ludwig Krippahl and Pedro Barahona. **Improving protein docking with redundancy constraints**

13h30 – 14h20

Application Session (3)

Amphi Bosco

14h20 – 15h00

Distinguished Service Award – Thomas Schiex

Grand Amphitheatre

14h45 – 15h30

Doctoral Research Award – André Augusto Cré

Grand Amphitheatre

15h00 – 18h00

Social Program: visit of Toulouse

15h00 – 18h00

Social Program: A380 assembly line visit

20h00 – 23h30

Conference Dinner

- Invited talk: Optimization and Control in the Smart Grid and Beyond – Zico Kolter**

09h45 – 10h15

Grand Amphitheatre

10h15 – 12h00

Best Papers

12h00 – 13h30

Grand Amphitheatre

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Lunch

13h30 – 14h20

CP and Biology Session

Grand Amphitheatre

14h20 – 15h00

Distinguished Service Award – Thomas Schiex

Grand Amphitheatre

14h45 – 15h30

Doctoral Research Award – André Augusto Cré

Grand Amphitheatre

15h00 – 18h00

Social Program: visit of Toulouse

15h00 – 18h00

Social Program: visit of Toulouse

20h00 – 23h30

Conference Dinner

- Joshua Blinkhorn and Olaf Beyersdorff. *Dependency Schemes in QBF Calculi: Semantics and Soundness*
- Michael Codish, Graeme Gange, Avi Itzhakov and Peter J. Stuckey. *Breaking Symmetries in Graphs: The Nasty Way*
- David Bergman and André Augusto Cré. *Multiojective Optimization by Decision Diagrams*

Grand Amphi

08h20 – 16h35

Welcome coffee

- Clement Carbonnel and Emmanuel Hebrard. *Constraint Propagation via Kernelization*

Amphi Bosco

08h00 – 08h45

Registration

- Ekaterina Afraimova, Nicolas Beldiceanu, Mats Carlsson, Pierre Flener, Maria Andreina Francisco Constraints for Time-Series Constraints

Amphi Bosco

08h45 – 09h00

Welcome address – Michel Rueher & Thomas Schiet Grand Amphi

Grand Amphi

09h00 – 10h00

Invited talk: *Optimizing preferences and social welfare in healthcare-related matching problems* – David Manlove

Grand Amphi

- Clément Carbonnel and Emmanuel Hebrard. *Constraint Propagation via Kernelization*
- Elkeferina Afraimova, Nicolas Beldiceanu, Mats Carlsson, Pierre Flener, Maria Andreina Francisco Constraints for Time-Series Constraints
- Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney. *Learning parameters for the Sequence constraint from positive examples*

Amphi Bosco

10h00 – 10h30

Coffee Break

Grand Amphi

10h30 – 12h10

Application Session (1)

Amphi Bosco

- Clément Carbonnel and Emmanuel Hebrard. *Constraint Propagation via Kernelization*
- Elkeferina Afraimova, Nicolas Beldiceanu, Mats Carlsson, Pierre Flener, Maria Andreina Francisco Constraints for Time-Series Constraints
- Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney. *Learning parameters for the Sequence constraint from positive examples*

Grand Amphi

12h10 – 12h30

Lunch

Grand Amphi

12h30 – 12h50

Technical Session (1): Theory

Grand Amphi

- Clément Carbonnel and Emmanuel Hebrard. *Constraint Propagation via Kernelization*
- Elkeferina Afraimova, Nicolas Beldiceanu, Mats Carlsson, Pierre Flener, Maria Andreina Francisco Constraints for Time-Series Constraints
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Grand Amphi

12h50 – 13h10

Technical Session (1): Theory

Grand Amphi

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Grand Amphi

13h10 – 13h30

Technical Session (1): Theory

Grand Amphi

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Grand Amphi

13h30 – 13h50

Technical Session (1): Theory

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Grand Amphi

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Grand Amphi

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Grand Amphi

14h30 – 14h50

Technical Session (1): Theory

Grand Amphi

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- Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney. *Learning parameters for the Sequence constraint from positive examples*

Grand Amphi

14h50 – 15h30

Computational Sustainability Session

Grand Amphi

- Clément Carbonnel and Emmanuel Hebrard. *Constraint Propagation via Kernelization*
- Elkeferina Afraimova, Nicolas Beldiceanu, Mats Carlsson, Pierre Flener, Maria Andreina Francisco Constraints for Time-Series Constraints
- Emilie Picard-Cantin, Mathieu Bouchard, Claude-Guy Quimper and Jason Sweeney. *Learning parameters for the Sequence constraint from positive examples*

Grand Amphi

15h30 – 16h00

Coffee Break

Grand Amphi

16h35 – 17h25

Grand Amphi

17h25 – 17h40

Lunch

Grand Amphi

Grand Amphi

17h40 – 19h00

ACP General Assembly

Grand Amphi

Grand Amphi

20h00 – 23h00

Senior PC Dinner

Grand Amphi

Grand Amphi

23h00 – 00h00

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Wednesday 07 September		Conference	
16h00 – 16h50	Amphi Bosco	Music Session (2)	
16h00 – 16h50	Grand Amphitheatre	Technical Session (2): MaxSAT	
16h50 – 17h40	Grand Amphitheatre	Technical Session (3): Global constraints	
16h50 – 17h40	Grand Amphitheatre	Invited talk: <i>Horn Constraints for Software Verification and Synthesis</i> – Andrei Rybalchenko	Registration
08h45 – 09h00		Coffee Break	
09h45 – 10h15	Amphi Bosco	Tutorial: <i>Social Choice</i> – Francesca Rossi, K. Brent Venable, Toby Walsh	
10h15 – 11h15	Amphi Bosco	Tutorial: <i>Automated Program Analysis and Verification</i> – Andreas Podelski	
10h15 – 11h15	Grand Amphitheatre	Tutorial: <i>Automated Program Analysis and Verification</i> – Andreas Podelski	
11h15 – 12h05	Grand Amphitheatre	Testing and Verification Session	
11h15 – 12h05	Amphi Bosco	Preferences, Social Choice, and Constraints Session	
16h50 – 17h40	Amphi Bosco	Journal-First and Sister Conferences Session (1): Symmetries	
16h50 – 17h40	Amphi Bosco	• Jordian Demetlensere, Renaud Hartert, Christophe Lecoutre, Guillaume Perez, Laurent Perron, Jean-Charles Regin and Pierre Schaus. <i>Compact-Table: efficiently filtering table constraints with reversible sparse bit-sets</i>	
16h50 – 17h40	Amphi Bosco	• Nadjib Lazaar, Yahia Lebbah, Samir Louhini, Mehdi Maamar, Valentin Lemière, Christian Bessiere and Patrice Boizumault. <i>A global constraint for closed itemset mining</i>	
17h45 – 18h05	Amphi Bosco	Journal-First and Sister Conferences Session (2): Consistencies	
17h45 – 18h05	Amphi Bosco	• Jimmy Lee and Zichen Zhu. <i>Boosting SBDS for Partial Symmetry Breaking in Constraint Programming</i>	
17h45 – 18h05	Amphi Bosco	• Jimmy Lee and Zichen Zhu. <i>Breaking More Composition Symmetries Using Search Heuristics</i>	
18h30 – 20h00		Welcome Reception	
20h30 – 23h00		Executive Committee ACP dinner	
12h05 – 13h35		Lunch	
13h35 – 14h50	Grand Amphitheatre	Application Session (2)	
13h35 – 14h50	Amphi Bosco	Journal-First and Sister Conferences session (2): Consistencies	
13h35 – 14h50	Amphi Bosco	• Vincent Goulet, Wei Li, Hyunmin Chong, Francesco Iorio and Claude-Guy Quimper. <i>Four-Bar Linkage Synthesis Using Non-Convex Optimization</i>	
13h35 – 14h50	Amphi Bosco	• Robinson Duque, Alejandro Arbelaez and Juan Francisco Díaz. <i>SABIO: An Implementation of MIP and CP for Interactive Soccer Queries</i>	
13h35 – 14h50	Amphi Bosco	• Samir Sebbah, Claire Bagley, Mike Colera and Serdar Kadioglu. <i>Service Availability Optimization in Cloud-Based In-Memory Data Grids</i>	
14h50 – 15h20		Coffee Break	