



# Vienna Center for Logic and Algorithms

Annual Report 2012/2013

[www.vcla.at](http://www.vcla.at)



FAKULTÄT  
FÜR INFORMATIK

Faculty of Informatics



Vienna Center for  
Logic and Algorithms



FAKULTÄT  
FÜR INFORMATIK  
Faculty of Informatics

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## About VCLA

The Vienna Center for Logic and Algorithms (VCLA) is a globally unique competence center in the field of logic and algorithm research. It was founded in September 2011 and officially opened in January 2012 in the presence of the rector of the Vienna University of Technology Sabine Seidler and Turing Award laureate Edmund M. Clarke.



Group photograph taken during the 4th International Conference on Computational Models of Argument in September 2012

The VCLA aims to promote international scientific collaboration in logic and algorithms and communicate Austria's excellence in these two areas of computer science research. These objectives are realized through various activities, such as

- the VCLA Workshop Series
- the VCLA Schools, a series of winter and summer schools
- the VCLA Visitor Program
- the hosting of talks by renowned international speakers, and
- the co-organisation of events, such as CAV2013

The scientific program 2011-2014 is focusing on

- Constraint Satisfaction
- Verification of Hardware and Software, and
- Knowledge Representation



## Organization

The VCLA is managed by a local board in collaboration with an international advisory board. The local board is responsible for day-to-day management and consults with the advisory board about strategic decisions.

### Board

Thomas Eiter  
Georg Gottlob  
Alexander Leitsch  
Reinhard Pichler  
Stefan Szeider (co-chair)  
Helmut Veith (co-chair)

### Advisory Board

Matthias Baaz (TU Vienna)  
Roderick Bloem (TU Graz)  
Agata Ciabattoni (TU Vienna)  
Nadia Creignou (Université d'Aix-Marseille)  
Anuj Dawar (Univ. of Cambridge)  
Fedor Fomin (Univ. of Bergen)  
Laura Kovács (TU Vienna)  
Miroslaw Truszczyński (Univ. of Kentucky)  
Moshe Y. Vardi (Rice Univ.)

### Public Relations and Project Management

Katarina Jurik

## Collaborations

The VCLA frequently collaborates with the following institutions, all of which also provide co-financing for various events and activities:

- Institute of Discrete Mathematics and Geometry at TU Vienna
- Kurt Gödel Society (KGS)
- Austrian Society for Rigorous Systems Engineering (ARiSE)
- Wolfgang Pauli Institute (WPI)
- Institute of Science and Technology Austria (IST Austria)

## Activities

This section will present all past or ongoing events and activities of the VCLA with short information on the content and the co-financing institutions. All events and activities have been co-financed by other grants and institutions. A more detailed report on each is available in the appendix. All events which took place during the last quarter of 2012 are mentioned in the previous annual report as well as this one, because they influenced VCLA activities in both reporting periods (one period lasting from October to the end of September in the subsequent year, due to the founding of VCLA in September 2011).

### Vienna Logic Weeks, September 3-13, 2012

The Vienna Logic Weeks 2012 presented a unique opportunity to experience several academic events from logic-related areas in the course of two weeks during September 2012. The co-located academic events included the Reasoning Web Summer School, the 6th International Conference on Web Reasoning and Rule Systems (RR2012), the 4th International Conference on Computational Models of Argument (COMMA 2012) and the Datalog 2.0 Workshop. With topics ranging from Computational Logic and Artificial Intelligence to Database and Web Technologies, the Vienna Logic Weeks 2012 strengthened Vienna's significance as a center for logic and algorithms in computer science.

The plenary speaker of the Vienna Logic Weeks was the eminent logician and computer scientist Robert Kowalski from the Imperial College (London). A winner of numerous awards, Kowalski is renowned as the founding father of logic-based programming, including Prolog. His talk was titled "Towards a Logic-based, Unifying Framework for Computing" and attracted a large lecture room of listeners at the Vienna University of Technology.

Weblink: [http://www.vcla.at/events/vienna-logic-weeks\\_2012/](http://www.vcla.at/events/vienna-logic-weeks_2012/)

## Activities (cont'd)

### Turing Machine Award 2012

As 2012 marked the 100th anniversary of Alan Turing's birthday, the VCLA created the Turing Machine Award in order to celebrate Turing and his contributions to computer science.

This Award was the prize in a competition aimed at students in Austrian high schools and universities. The participants were asked to present a project which dealt creatively with topics such as Turing's life, his inventions and his contributions to science. Together with sponsors (Kurt Gödel Society, Google Austria, Der Standard, Kapsch AG), the VCLA awarded a main prize of €2000,- to class 2 HSA of the Hertha-Firnberg-Schulen für Wirtschaft und Tourismus. In their project, the students created a video in which they act as a Turing Machine themselves.

This video, as well as photographs from the Award ceremony can be found on the Turing Machine Award website: <http://www.vcla.at/tmaward/>

from left to right: Stefan Szeider, Martin Eder (Kapsch), two representatives of 2 HSA, Gerd Ch. Krizek (Hertha-Firnber-Schulen, FH Technikum Wien), Helmut Veith



## Activities (cont'd)

### First Symposium on Structure in Hard Combinatorial Problems

This symposium was jointly funded by the Wolfgang Pauli Institute and VCLA and took place from May 16-18, 2013. It was co-located with Donald Knuth's (Stanford) university-wide talk, "All questions answered".

Symposium chairs:

Bart Selman (Cornell University)

Stefan Szeider (Vienna University of Technology)

The aim of this symposium was to bring together researchers from various disciplines who are concerned with hidden structure in problem instances. Lectures and discussions put all these different approaches into context and stimulated a fruitful exchange of ideas between different fields.

For more information, please visit the website <http://www.vcla.at/events/structure2013>

Donald Knuth (left) and invited speaker Jan Arne Telle (right) at the Structure2013 symposium



## Activities (cont'd)

### Computer-Aided Verification (CAV) 2013

CAV2013 took place in St. Petersburg, Russia, and was the 25th in a series dedicated to the advancement of the theory and practice of computer-aided formal analysis methods for hardware and software systems.

The conference covered the spectrum from theoretical results to concrete applications, with an emphasis on practical verification tools and the algorithms and techniques that are needed for their implementation.

With over 200 participants, CAV2013 was a successful celebration of the 25th anniversary of this conference series.

Program chairs:

Natasha Sharygina (University of Lugano)

Helmut Veith (Vienna University of Technology)

Website: <http://cav2013.forsyte.at/>

from left to right: Ken McMillan, Edmund Clarke, Robert Kurshan at CAV2013



## Activities (cont'd)

### Vienna Summer of Logic 2014

With over 2500 expected participants, the Vienna Summer of Logic 2014 (VSL) will be the largest event in the history of logic. It will consist of twelve large conferences and numerous workshops, attracting researchers from all over the world. The VSL is organised by the Kurt Gödel Society, with a local organization committee which consists of several members of the DBAI, KR and Forsyte groups at the Institute of Information Systems.

VSL will welcome five invited speakers:

Franz Baader, TU Dresden (VSL keynote speaker)

Edmund M. Clarke, Carnegie Mellon University (VSL keynote speaker)

Christos Papadimitriou, University of California, Berkeley (VSL keynote speaker)

Dana Scott, Carnegie Mellon University (VSL opening speaker)

Alex Wilkie, University of Manchester (VSL keynote speaker)

The VSL conferences and workshops will deal with the main theme, logic, from three important aspects: logic in computer science, mathematical logic and logic in artificial intelligence.

Website: <http://vsl2014.at/>



## Invited Speakers and Visitors

More than thirty-five talks by speakers from countries across the world have been hosted by the VCLA during the past year. An online listing with abstracts is available at <http://www.vcla.at/category/talks/>

**Pietro Baroni (Università degli Studi di Brescia):** Abstract argumentation semantics

**Meghyn Bienvenu (Université Paris Sud):** Inconsistency-tolerant semantics for ontology-based data access

**Borzoo Bonakdarpou (University of Waterloo):** Automated synthesis of Fault-tolerant Distributed Algorithms

**Loris Bozzato (Fondazione Bruno Kessler):** CKR: a general framework for context in Semantic Web

**Pedro Calabar (Corunna University):** Setting the stage for ASP functions

**Diego Calvanese (University of Bozen):** Verification of Relational Data-Centric Dynamic Systems with External Services

**Hubie Chen (Universidad del País Vasco):** Meditations on Quantified Constraint Satisfaction

**James Delgrande (Simon Fraser University):** Revising Horn Theories

**Madalina Erascu (JKU Linz):** Computational Logic and Quantifier Elimination Techniques for (Semi-)automatic Static Analysis and Synthesis of Algorithms

**Javier Esparza (TU Munich):** Parameterized Verification of Asynchronous Shared-Memory Systems

**Sicun Gao (Carnegie Mellon University):** Delta-Decisions over the Reals

**Alexey Gotsman (IMDEA Software Institute):** Abstraction for Weakly Consistent Systems

**Christoph Haase (LSV ENS Cachan):** Graph-Based Approaches to Reasoning in Separation Logic

**Reiner Hähnle (TU Darmstadt):** Abstract Symbolic Execution

**Iyad Kanj (DePaul University):** On the Ordered List Subgraph Embedding Problems

**EunJung Kim (LAMSADE):** Linear kernels and single-exponential algorithms via protrusion decompositions

**Donald Knuth (Stanford University):** All questions answered

## Invited Speakers and Visitors

**Tomer Kotek (Vienna University of Technology):** Applications of logic in graph theory

**Alfons Laarman (University of Twente):** Multi-Core Model Checking

**Christoph Lenzen (Massachusetts Institute of Technology):** Fast Routing Table Construction Using Small Messages

**Johann A. Makowsky (Technion):** Characterizing word functions recognized by weighted automata

**George Metcalfe (University of Bern):** Proof Theory for Lattice-Ordered Groups

**Aniello Murano (Università degli Studi di Napoli):** Enriched Modal Logics

**Joel Ouaknine (Oxford University):** A Survey of Classical and Real-Time Verification

**Doron Peled (Bar Ilan University):** Concurrent Software Synthesis

**Andre Platzer (Carnegie Mellon University):** How to Prove Your Robot Safe

**Alexander Pretschner (TU Munich):** Model-Based Security Testing: From Models to the Real World

**Peter Robinson (University of Cambridge):** Sublinear Bounds for Randomized Leader Election

**Andrey Rybalchenko (TU Munich):** Program verification as constraint solving (also for existential and universal CTL properties)

**Roopsha Samanta (University of Texas, Austin):** Robustness Analysis of Networked Systems

**Torsten Schaub (Uni Potsdam):** Potassco, the Potsdam Answer Set Solving Collection.

**Wilfried Steiner (TTTech):** Model-Checking Fault-Tolerant Clock Synchronization Protocols

**Miroslaw Truszczyński (University of Kentucky):** Connecting first-order ASP and the logic FO(ID) through reducts

**Esko Turunen (Tampere University of Technology):** Pavelka style fuzzy logic over Chang's MV-algebra

**Chao Wang (Virginia Tech):** Symbolic Predictive Analysis for Improving the Reliability and Security of Concurrent Software

**Kewen Wang (Griffith University):** Phase Transition in Answer Set Programming

**Christoph Weidenbach (Max-Planck-Institut für Informatik):** The Design of Automated Reasoning Systems



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## Media Coverage

### **October 14, 2013**

Magazine article in *Heureka/Falter* (German)

The future of research in Austria

<http://www.falter.at/heureka/2013/10/zukunft-der-forschung-in-oesterreich/>

### **December 17, 2012**

Magazine article in *Relevant.at* (German)

Turing Machine Award is presented

<http://relevant.at/wirtschaft/itbusiness/832733/turing-machine-award-verliehen.story>

### **December 17, 2012**

Magazine article in *Computerwelt* (German)

Turing Machine Award goes to high school students

<http://www.computerwelt.at/news/karriere/detail/artikel/turing-machine-award-geht-an-schueler/>

### **August 6, 2012**

Newspaper article in *Der Standard* (German)

Computer scientists at TU Vienna announce Turing Machine Award

<http://derstandard.at/1343744021734/Computerwissenschaftler-der-TU-Wien-schreiben-Turing-Machine-Award-aus>



## Appendix

Vienna Logic Weeks, September 3-13, 2012

The Vienna Logic Weeks 2012 presented a unique opportunity to experience several academic events from logic-related areas in the course of two weeks during September 2012. The co-located academic events included the Reasoning Web Summer School (RW2012), the 6th International Conference on Web Reasoning and Rule Systems (RR2012), the 4th International Conference on Computational Models of Argument (COMMA 2012) and the Datalog 2.0 Workshop. With topics ranging from Computational Logic and Artificial Intelligence to Database and Web Technologies, the Vienna Logic Weeks 2012 strengthened Vienna's significance as a center for logic and algorithms in computer science.

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Weblink: [http://www.vcla.at/events/vienna-logic-weeks\\_2012/](http://www.vcla.at/events/vienna-logic-weeks_2012/)

### **Organizers of the constituent events of the Vienna Logic Weeks**

**RW2012** (<http://www.kr.tuwien.ac.at/events/rw2012/>)

#### *Program Committee*

Grigoris Antoniou (FORTH, Crete)

Abraham Bernstein (U Zuerich)

François Bry (U Munich)

Thomas Eiter (TU Vienna, chair)

Birte Glimm (U Ulm)

Claudio Gutierrez (UC Santiago)

Axel Polleres (Siemens)

#### *Local Organization*

Thomas Eiter (Vienna University of Technology)

Thomas Krennwallner (Vienna University of Technology)



# Appendix

## Organizers of the constituent events of the Vienna Logic Weeks

**COMMA 2012** (<http://www.kr.tuwien.ac.at/events/comma2012/>)

*Program Chair:*

Bart Verheij (University of Groningen)

*Conference Chairs:*

Stefan Szeider (Vienna University of Technology)

Stefan Woltran (Vienna University of Technology)

*Demonstrations coordinator:*

Adam Wyner (University of Liverpool)

**Datalog 2.0** (<http://www.dbai.tuwien.ac.at/event/datalog-2.0/index.html>)

*Program Chairs:*

Pablo Barceló (University of Chile)

Reinhard Pichler (Vienna University of Technology)

*Local organization:*

Markus Pichlmair (Vienna University of Technology)

Reinhard Pichler (Vienna University of Technology)

**RR2012** (<http://www.kr.tuwien.ac.at/events/rr2012/index.html>)

*Program Chairs*

Markus Krötzsch (University of Oxford)

Umberto Straccia (Istituto di Scienza e Tecnologie dell'Informazione (ISTI-CNR))

*Local organization:*

Thomas Eiter (Vienna University of Technology)

Thomas Krennwallner (Vienna University of Technology)

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from left to right: Stefan Szeider, Martin Eder (Kapsch), two representatives of 2 HSA, Gerd Ch. Krizek (Hertha-Firnberg-Schulen, FH Technikum Wien), Helmut Veith



## Appendix

### Turing Machine Award 2012

Four other projects were awarded a prize of €500,-. The class 3 BHDV of HTL Villach created a video called “Der Biocomputer”, in which they present the workings of the Turing Machine. A similar project was undertaken by the group of the Begabungs- und Begabtenförderung für die 3. Klasse of BRG6 Marchettigasse. The sisters Maryam and Amina Abdurrahman participated with a philosophical treatise and a card game based on the functionality of the Turing Machine and were both awarded a prize as well.

The links to all videos, as well as photographs from the Award ceremony can be found on the Turing Machine Award website: <http://www.vcla.at/tmaward/>

Group photograph taken at the Turing Machine Award ceremony in December 2012



# Appendix

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### Invited speakers

Albert Atserias (Universitat Politècnica de Catalunya)

Armin Biere (Johannes Kepler University, Linz)

Rina Dechter (University of California, Irvine)

Serge Gaspers (NICTA and University of New South Wales, Sydney)

Georg Gottlob (Oxford University)

Holger Hoos (University of British Columbia)

Pete Jeavons (Oxford University)

Rolf Niedermeier (TU Berlin)

Jakob Nordström (KTH Royal Institute of Technology)

Jan Arne Telle (University of Bergen)

Toby Walsh (NICTA and University of New South Wales, Sydney)

Ryan Williams (Stanford)

# Appendix

## Computer-Aided Verification 2013

CAV2013 took place in St. Petersburg, Russia, and was the 25th in a series dedicated to the advancement of the theory and practice of computer-aided formal analysis methods for hardware and software systems.

The conference covered the spectrum from theoretical results to concrete applications, with an emphasis on practical verification tools and the algorithms and techniques that are needed for their implementation.

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Program chairs:

Natasha Sharygina (University of Lugano)

Helmut Veith (Vienna University of Technology)

Website: <http://cav2013.forsyte.at/>

### Invited speakers

Jennifer Welch (Texas A&M University)

Jeanette Wing (Microsoft Research International)

Maria Vozhegova (Sberbank)

### Tutorialists

Cristian Cadar (Imperial College London)

David Harel (The Weizmann Institute of Science).

Andreas Podelski (University of Freiburg)

Andrei Voronkov (The University of Manchester)



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The VSL conferences and workshops will deal with the main theme, logic, from three important aspects: logic in computer science, mathematical logic and logic in artificial intelligence.

Website: <http://vsl2014.at/>

### **VSL Organization Committee**

Matthias Baaz (chair)  
Thomas Eiter (co-chair)  
Helmut Veith (co-chair)

Agata Ciabattoni  
Georg Gottlob  
Thomas Henzinger  
Alexander Leitsch  
Stefan Szeider

### **Logic in Computer Science / FLoC**

Helmut Veith (chair)  
Matthias Baaz (co-chair)  
Moshe Y. Vardi (FLoC general chair)  
Stefan Szeider (Workshop chair)  
Azadeh Farzan (Student Support Program)  
Thomas Krennwallner (Olympic Games / Competition chair)

### **Mathematical Logic**

Matthias Baaz (chair)  
Stefan Hetzl (co-chair)

### **Logic in Artificial Intelligence**

Thomas Eiter (chair)  
Michael Fink (co-chair)  
Stefan Woltran (co-chair)



# Appendix

## Participants of VCLA events

### Vienna Logic Weeks

#### COMMA 2012

Ofer Arieli (The Academic College of Tel-Aviv)  
Neil Benn (University of Leeds)  
Floris Bex (University of Dundee)  
Elise Bonzon (LIPADE - Université Paris Descartes)  
Robert Bowerban (Better Judgement Ltd)  
Katarzyna Budzynska (Polish Academy of Sciences)  
Martin Caminada (University of Luxembourg)  
David Carmel (IBM Research - Haifa Lab)  
Federico Cerruti (University of Brescia)  
William Chandler (University of Dundee)  
Günther Charwat (TU Vienna)  
Carlos Chesnevar (Universidad Nacional del Sur)  
Sylvie Coste-Marquis (CRIL CNRS Université d'Artois)  
Madalina Croitoru (Université Montpellier 2)  
Veerangna Dhar (University of Liverpool)  
Paul Dunne (University of Liverpool)  
Wolfgang Dvorak (TU Vienna)  
Xiuyi Fan (Imperial College London)  
Dov Gabbay (Kings College London)  
Sarah Gaggl (TU Vienna)  
Yang Gao (Imperial College London)  
Massimiliano Giacomini (Univ. Brescia)  
Thomas Gordon (Fraunhofer FOKUS)  
Floriana Grasso (University of Liverpool)  
Nancy Green (UNCG)  
Nabila Hadidi (LIPADE - Université Paris Descartes)  
Anthony Hunter (University College London)  
Jeroen Keppens (King's College London)  
Sebastien Konieczny (CNRS)  
Dionysios Kontarinis (LIPADE - Université Paris Descartes)  
John Lawrence (University of Dundee)  
Ashwag Maghraby (Edinburgh University)  
Michael Maher (UNSW Canberra)  
Maria Vanina Martinez (University of Oxford)  
Rolando Medellin Gasque (University of Liverpool)  
Sanjay Modgil (King's College London)  
Katsumi Nitta (Tokyo Institute of Technology)  
Samer Nofal (University of Liverpool)  
Sebastian Ordyniak (MU Brno)  
Nir Oren (University of Aberdeen)  
Simon Parsons (Brookly College)



# Appendix

## Participants of VCLA events

### Vienna Logic Weeks

#### COMMA 2012

Thang Phanminh (Asian Institute of Technology)  
Mikolaj Podlaszewski (University of Luxembourg)  
Henry Prakken (Utrecht University & University of Groningen)  
Chris Reed (University of Dundee)  
Tjitze Rienstra (University of Luxembourg)  
Luke Riley (University of Liverpool)  
Phil Quinlan (University of Dundee)  
Chiaki Sakama (Wakayama University)  
Hajime Sawamura (Niigata University)  
Johannes Schmidt (Université Aix-Marseille)  
Jodi Schneider (NUI Galway)  
Guillermo R. Simari (Universidad Nacional del Sur)  
Friedrich Slivovsky (TU Vienna)  
Noam Slonim (IBM Israel)  
Mark Snaith (University of Dundee)  
Hannes Straß (Universität Leipzig)  
Stefan Szeider (TU Vienna)  
Francesca Toni (Imperial College London)  
Nicolas Troquard (ISTC-CNR)  
Leon van der Torre (University of Luxembourg)  
Bart Verheij (University of Groningen)  
Srdjan Vesic (University of Luxembourg)  
Serena Villata (INRIA)  
Jacky Visser (University of Amsterdam)  
Johannes Wallner (TU Vienna)  
Emil Weydert (University of Luxembourg)  
Stefan Woltran (TU Vienna)  
Adam Wyner (University of Liverpool)



# Appendix

## Participants of VCLA events

### Vienna Logic Weeks

#### Datalog 2.0 2012

Mario Alviano (University of Calabria)  
Tom Ameloot (Hasselt University)  
Molham Aref (LogicBlox)  
Pablo Barcelo (University of Chile)  
Leopoldo Bertossi (Carleton University)  
Stefan Brass (Martin-Luther-Universität Halle-Wittenberg)  
Francois Bry (LMU Munich)  
Cristina Civili (Sapienza Università di Roma)  
Jaffer Gardezi (University of Ottawa)  
Georg Gottlob (University of Oxford)  
Matteo Interlandi (University of Modena and Reggio Emilia)  
Paraschos Koutris (University of WA)  
Nicola Leone (University of Calabria)  
Bertram Ludäescher (UC Davis)  
William Marczak (UC Berkeley)  
Maria Vanina Martinez (University of Oxford)  
Franz Och (Google Inc.)  
Reinhard Pichler (TU Vienna)  
Francesco Ricca (University of Calabria)  
Daniel Ritter (SAP AG)  
Riccardo Rosati (Sapienza Università di Roma)  
Domenico Sacca (University of Calabria)  
Don Sannella (University of Edinburgh)  
Dietmar Seipel (Universität Würzburg)  
Yannis Smaragdakis (University of Athens)  
Michael Thomazo (University Montpellier 2)  
Jan van den Bussche (Hasselt University)  
Carlo Zaniolo (UCLA CSD)



# Appendix

## Participants of VCLA events

### Vienna Logic Weeks

#### RR 2012

Luiz Albuquerque (Federal University of Vicosa)  
Majed Ayyad (University of Trento)  
Elena Botoeva (University of Bolzano)  
Stefan Brass (Universität Halle)  
Francois Bry (LMU Munich)  
Diego Calvanese (Univ. of Bolzano)  
DAvid Carral Martinze (Wright State University)  
Cristina Civili (Sapienza Università di Roma)  
Martin Dieguez (University of Corunna)  
Valentinos Evguidou (Imperial College London)  
Wolfgang Faber (University of Calabria)  
Gerhard Friedrich (Universität Klagenfurt)  
Pascal Hitzler (Wright State University)  
Beibei Hu (University Paris-Est)  
Yingjie Hu (University of California, Santa Barbara)  
Yazmin Angelica Ibanez Garcia (University of Bolzano)  
Tomi Janhunen (Aalto University)  
Mohamed Nader Jelassi (Université Blaise Pascal)  
Amit Joshi (Wright State University)  
Michael Kifer (Stony Brook University)  
Szymon Klarman (Vrije Universiteit Amsterdam)  
Manolis Koubarakis (University of Athens)  
Gopalakrishnan Krishnasamy Sivaprakasam (Iowa State University)  
Markus Krötzsch (University of Oxford)  
Gerog Lausen (Universität Freiburg)  
Domenico Lembo (Sapienza Università di Roma)  
Senlin Liang (Stony Brook University)  
Alessandra Mileo (Digital Enterprise Research Institute)  
Pasquale Minervini (Università degli Studi di Bari)  
Marie-Laure Mugnier (University Montpellier)  
Vijayaraghava Mutharaju (Wright State University)  
Rafael Penaloza (TU Dresden)  
Alexandre Miguel Pinto (CISUC-DEI-FCT)  
Alex Polieres (Siemens AG Österreich)  
Denis Ponomaryov (A.P. Ershov Institute of Informatics Systems)  
Guilin Qi (Southeast University, China)  
Riccardo Rosati (Sapienza Università di Roma)  
Sebastian Rudolph (Karlsruhe Institute of Technology)  
Ganna Ryabokon (Universität Klagenfurt)  
Ario Santoso (University of Bolzano)  
Herwig Schreiner (Siemens AG Österreich)



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Kunal Sengupta (Wright State University)  
Juan Sequeda (University of Texas at Austin)  
Evgeny Sherkhonov (University of Amsterdam)  
Gerardo Simari (University of Oxford)  
Umberto Straccia (ISTI-CNR)  
Heiner Stuckenschmidt (Universität Mannheim)  
Giorgio Terracina (Universtà della Calabria)  
Michael Thomazo (University Montpellier 2)  
Eleni Tsalapati (National Technical University of Athens)  
Anees ul Mehdi (Karlsruhe Institute of Technology)  
Jürgen Umbrich (National University of Ireland, Galway)  
STanislav Vojir (University of Economics, Prague)  
Cong Wang (Wright State University)

#### RW 2012

Aris Alissandrakis (Linnaeus University)  
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# Appendix

## Participants of VCLA events

### Vienna Logic Weeks

#### RW 2012

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# Appendix

## Participants of VCLA events

### First Symposium on Structure in Hard Combinatorial Problems

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## Participants of VCLA events

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Florian Zuleger (Vienna University of Technology)

### Computer-Aided Verification 2013

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Victor Altuhov (Lomonosov Moscow State University)  
Nina Amla (National Science Foundation)  
Roy Armoni (Mellanox)  
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## Participants of VCLA events

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### Computer-Aided Verification 2013

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