

Configuration Workshop 2015

September 10th-11th

Siemens City, Vienna, Austria

Homepage

<http://blogs.helsinki.fi/confws-15>

Agenda

see pages 2-3

Proceedings

Available as download from:

- <http://blogs.helsinki.fi/confws-15/program-proceedings/>
- <http://ceur-ws.org/> - only after the workshop

Onsite Registration

Starting September 10th, 9:30

- Upon your arrival at the main entrance of Siemens City, please introduce yourself at the reception desk as participant of the "Configuration Workshop".
- A few meters further on, you will find the registration desk where you will receive your name badge, this program print-out, a paper copy of your registration fee invoice, and vouchers for WLAN access and for lunch.
- About 50 meters after the desk, a spiral staircase and an elevator on your right lead up to the conference center (Building 62 - see building plan below).
- The workshop and coffee breaks will take place in the first floor (room 62.01.048) of this building, the lunch break in the ground floor.

Local Organisation

Andreas Falkner
Tel. +43 664 80117 35932
andreas.a.falkner@siemens.com

Agenda - Thursday, September 10th

09:30: **Registration** and coffee

- see details on page 1

10:45: **Opening**

- Welcome note: *Harald Loos, Siemens Corporate Technology, Head of Region CEE*
- Some organizational information: *Andreas Falkner*

11:00: **Technical session 1: Strategy**

(chair: *Cipriano Forza*)

- Market-oriented variant management (position paper)
Thorsten Krebs, Christoph Ranze
- An empirical study on product configurators' application: implications, challenges, and opportunities
Linda Zhang, Petri Helo
- Quantification of impact from product configuration
Anna Myrodi, Katrin Kristjansdottir, Lars Hvam

12:30: Lunch break

13:30: **Technical session 2: Long-term management**

(chair: *Lars Hvam*)

- On breaking the curse of dimensionality in reverse engineering feature models (short paper)
Jean-Marc Davril, Mathieu Acher, Guillaume Bécan, Patrick Heymans
- Customer buying behaviour analysis in mass customization
Tilak Raj Singh, Narayan Rangaraj
- Intelligent techniques for the maintenance of constraint-based systems
Florian Reinfrank, Gerald Ninaus, Franz Wotawa, Alexander Felfernig
- Maintaining constraint-based systems: challenges ahead
Florian Reinfrank, Gerald Ninaus, Franz Wotawa, Alexander Felfernig

15:30: Coffee break

16:00: **Technical session 3: Collaboration**

(chair: *Alois Haselböck*)

- Coupling two constraint-based systems into an on-line facade-layout configurator
Andrés Felipe Barco Santa, Elise Vareilles, Paul Gaborit, Jean-Guillaume Fages, Michel Aldanondo
- Solving combined configuration problems: a heuristic approach
Martin Gebser, Anna Ryabokon, Gottfried Schenner
- Towards a benchmark for configuration and planning optimization problems
Luis Garces, Paul Pitiot, Michel Aldanondo, Elise Vareilles

17:30: **Organizational topics**

- Next workshop
- Product configuration problem collection

18:30: End

19:00: **Dinner** (included in fee)

- "Heuriger" Christ (Amtsstraße 12)

Agenda - Friday, September 11th

09:00: optional "Green building" **excursion** (on-site, meeting point at the main entrance)

09:00: Program Committee meeting

10:00: Coffee break

10:30: **Technical session 4: Solving**

(chair: Alexander Felfernig)

- Different solving strategies on PBO problems from automotive industry
Thore Kübart, Rouven Walter, Wolfgang Küchlin
- A heuristic, replay-based approach for reconfiguration
Alois Haselböck, Gottfried Schenner
- Arc consistency with negative variant tables
Albert Haag
- Column oriented compilation of variant tables
Albert Haag

12:30: Lunch break

13:30: **Technical session 5: Diagnosis**

(chair: Albert Haag)

- Inverse QuickXplain vs. MaxSAT - a comparison in theory and practice
Rouven Walter, Alexander Felfernig, Wolfgang Küchlin
- FlexDiag: AnyTime diagnosis for reconfiguration
Alexander Felfernig, Rouven Walter, Stefan Reiterer
- Learning games for configuration and diagnosis tasks
Alexander Felfernig, Michael Jeran, Thorsten Ruprechter, Alexander Ziller, Stefan Reiterer, Martin Stettinger
- Support for the social dimension of shopping through web-based sales configurators
Chiara Grosso, Cipriano Forza, Alessio Trentin

15:30: Coffee break

16:00: **Technical session 6: Analytics**

(chair: Michel Aldanondo)

- A goal-question-metrics model for configuration knowledge bases
Florian Reinfrank, Gerald Ninaus, Bernhard Peischl, Franz Wotawa
- Formal analysis of the Linux kernel configuration with SAT solving
Martin Walch, Rouven Walter, Wolfgang Küchlin
- How to analyze and quantify similarities between configured Engineer-To-Order products by comparing the highlighted features utilizing the configuration system abilities
Sara Shafiee, Lars Hvam, Katrin Kristjansdottir

17:30: **Best paper award**

17:45: End

19:00: optional **Dinner** (not included in fee)

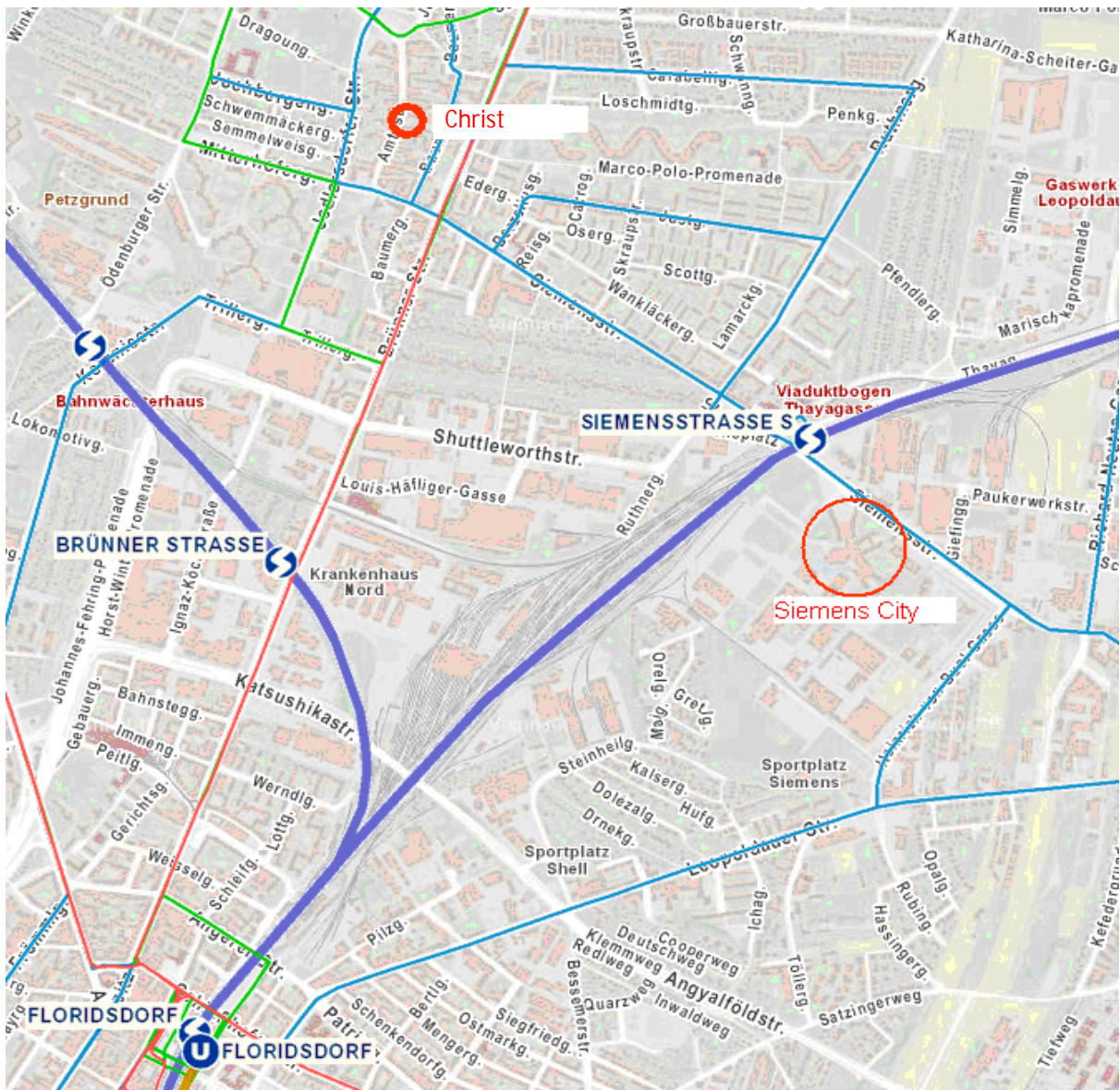
- Beer garden Grünspan (Ottakringer Straße 266)

Locations

Workshop:

The workshop takes place in room 62.01.048 at the conference center of Siemens AG Österreich, Siemensstraße 90, 1210 Wien.

Siemens City is easily reachable by public transportation: Just take local railway lines ("Schnellbahn") S1 or S2 towards Leopoldau, Gänserndorf, Mistelbach, Wolkersdorf, or Breclav until stop "Siemensstraße". Train frequency is approximately 10 minutes and travel time from City center ("Wien Mitte, Landstraße") is about 15 minutes.



Map of Siemens City:



Restaurants:

Heuriger **Christ** (Amtsstraße 12, 1210 Wien): just 5 bus stops from Siemens City. See map on previous page!

Beer garden **Grünspan** (Ottakringer Straße 266, 1160 Wien): 9 min walk from metro U3 terminal station Ottakring.

