



Atlanta, GA - USA. 30 October - 2 November

Twenty-Fourth International Conference on
Case-Based Reasoning (ICCBR 2016)

Conference Program

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Schedule

Sunday, 30 October

Social event and Doctoral Consortium (DC), both beginning at 5:30 pm. Prior to that there are no conference activities, however some uncoordinated, suggested nearby activities include: a tour of the World of Coke, Aquarium, Civil Rights Museum, Beltline, or Georgia Tech Campus.

5:30 pm Social Event: Atlanta Botanical Garden

Following tradition, ICCBR 2016 will include a social event on the day immediately before the conference. In summary, the social event consists of attending the Atlanta Botanical Garden and dinner. Attendees are responsible for the associated expenses. Please email stephen.urban@gtri.gatech.edu and elizabeth.whitaker@gtri.gatech.edu if you are interested in joining the social activities so we can get an estimate of attendance.

5:30 pm: Meet at [Georgia Tech Hotel Lobby](#) to depart to [Atlanta Botanical Garden](#).

6:00 pm: Enjoy “Chihuly in the Garden” at the Atlanta Botanical Garden.

- Internationally acclaimed artist, Dale Chihuly, returns to the Garden for an encore exhibition of his spectacular works of art, presented in a setting that has doubled in size since his blockbuster show here in 2004.
- A Chihuly show was the main factor in the Denver Botanic Gardens attracting 1.4 million guests, making it the most-visited public garden in North America for 2014
- Estimated cost: \$22
- <http://atlantabg.org/visit/events/chihuly>

5:30 pm Doctoral Consortium: Session Zero

5:30 pm - 7:30pm: Meet at [Centergy building \(#75\)](#) in Tech Square. Welcome to all DC attendees and agenda. Followed by a meet and greet: come meet your mentor/mentee in person. There will be time to discuss presentations. Also included is an interactive session on shared student experiences.

8:00 pm Social Dinner

8:00 pm Dinner at Escorpion

- Escorpion is a regionally inspired Mexican tequila bar and cantina from chef-owner Riccardo Ullio, capturing the authentic tastes and ingredients indigenous of Mexico. The Upscale Mexican eatery has tacos, tequilas, an outdoor patio & Day of the Dead-themed decor.
- Estimated cost: \$20
- http://urestaurants.com/data/menu_escorpion.pdf

Monday, 31 October

Workshops, Doctoral Consortium (DC), and Welcome Reception

The later-stage DC participants are presenting their PhD work at the last session of the day (at 3.30pm) and the DC chairs would like to invite as many ICCBR participants as possible to attend this session and provide valuable feedback to these DC participants in advance of submitting their theses.

Time	Activity
8:00 – 10:00 am	Registration, Coffee & Continental Breakfast
9:00 – 10:15 am	DC, Workshops (more details below)
10:15 – 10:45 am	Refreshments
10:45 – 12:15 pm	DC, Workshops (more details below)
12:15 – 1:45 pm	Lunch
1:45 – 3:00 pm	DC, Workshops (more details below)
3:00 – 3:30 pm	Refreshments
3:30 – 6:00 pm	DC, Workshops (more details below)
6:00 – 8:00 pm	Welcome Reception & posters

Workshops

Time	Computational Analogy	Knowledge Discovery	RATIC
9:00 – 9:40 am	Intro + Invited Talk 1		
9:45 – 10:15 pm	Paper 1	Intro + Paper 1	
10:15 – 10:45	Refreshments		
10:45 – 12:15	Papers 2-4	Papers 2-5	
12:15 – 1:45 pm	Lunch		
1:45 – 2:25 pm	Invited Talk 2		
2:30 – 3:00 pm	Paper 5		Intro + Paper 1
3:00 – 3:30 pm	Refreshments		
3:30 – 6:00 pm	Papers 6-11		Papers 2-6

Doctoral Consortium

Time	Activity
8:00 – 9:00 am	Registration, Coffee & Continental Breakfast
9:00 – 10:15 am	Session 1: Welcome, Agenda for the day <ul style="list-style-type: none"> ● Invited Talk Jonathan Rubin (Philips) ● Automated Similarity Modeling for Real-World Applications. Rotem Stram (Mentor David Aha)
10:15 – 10:45 am	Refreshments
10:45 – 12:15 pm	Session 2: Early-Stage Participant Presentations <ul style="list-style-type: none"> ● Prediction and Explanation by Combined Model-Based and Case-Based Reasoning. <i>Hoda Nikpour</i> (Mentor Elizabeth Whitaker) ● Distributed Case-based Support for the Architectural Conceptualization Phase. <i>Viktor Ayzenshtadt</i> (Mentor Kerstin Bach) ● Short-Term Load Forecasting Methods for Maritime Container Terminals. <i>Norman Ihle</i> (Mentor Isabelle Bichindaritz)
12:15 – 1:45 pm	Lunch
1:45 – 3:00 pm	Session 3: Early-Stage Participant Presentations <ul style="list-style-type: none"> ● Knowledge Modelling and Comparison of Cyanide-free Gold Leaching Processes. <i>Maria Leikola</i> (Mentor Mirjam Minor) ● Episodic Memory in a Cognitive Model. <i>David Menager</i> (Mentor Klaus-Dieter Althoff) ● Similarity-based Approaches to Learning from Demonstration. <i>Brandon Packard</i> (Mentor Agnar Aamodt)
3:00 – 3:30 pm	Refreshments
3:30 – 4:45 pm	Session 4: Later-Stage Participant Presentations <ul style="list-style-type: none"> ● Workflow Modelling Assistance by means of Process-oriented Case-based Reasoning. <i>Gilbert Muller</i> ● Feature-Centric Approaches to Case-Base Maintenance. <i>Brian Schack</i> ● A framework for interactive mining and retrieval from process traces. <i>Luca Canensi</i>

Tuesday, 1 November

Time	Activity
8:00 – 9:00 am	Registration, Coffee & Continental Breakfast
9:00 – 9:15 am	Welcome
9:15 – 10:15 am	Invited Talk (Pablo Gervas)
10:15 – 10:45 am	Refreshments
10:45 – 12:15 pm	<p>Session 1: Recommender Systems</p> <p>chair: Sarah Jane Delany</p> <ul style="list-style-type: none"> • Li Chen, Feng Wang and Wen Wu. Inferring Users' Critiquing Feedback on Recommendations from Eye Movements • Ruihai Dong and Barry Smyth. Personalized Opinion-based Recommendation • Guillermo Jimenez-Diaz, Pedro Pablo Gómez Martín, Marco Antonio Gómez Martín and Antonio Sánchez Ruiz-Granados. Similarity Metrics from Social Network Analysis for Content Recommender Systems
12:15 – 1:45 pm	Lunch
1:45 – 3:00 pm	5 min poster madness
3:00 – 3:30 pm	Refreshments
3:30 – 5:00 pm	<p>Session 2: Novel Retrieval & Reuse Approaches</p> <p>chair: Stelios Kapetanakis</p> <ul style="list-style-type: none"> • Thiago Pedro Donadon Homem, Danilo Hernani Perico, Paulo Eduardo Santos, Reinaldo Augusto Da Costa Bianchi and Ramon Lopez de Mantaras. Qualitative Case-based Reasoning for Humanoid Robot Soccer: a new retrieval and reuse algorithm • Viktor Ayzenshtadt, Christoph Langenhan, Johannes Roith, Saqib Bukhari, Klaus-Dieter Althoff, Frank Petzold and Andreas Dengel. Comparative Evaluation of Rule-Based and Case-Based Retrieval Coordination for Search of Architectural Building Designs • Aulon Shabani, Adil Paul, Radu Platon and Eyke Huellermeier. Predicting the Electricity Consumption of Buildings: An Improved CBR Approach
6:00 – 8:30 pm	Conference Banquet

Wednesday, 2 November

Time	Activity
8:00 – 9:00 am	Coffee & Continental Breakfast
9:00 – 9:15 am	Announcements
9:15 – 10:15 am	Invited Talk (Mehmet Goker)
10:14 – 10:45 am	Refreshments
10:45 – 12:15 am	<p>Session 3: Advances in Adaptation</p> <p>chair: Alexandra Coman</p> <ul style="list-style-type: none"> • Michael Floyd and David Aha. Incorporating Transparency During Trust-Guided Behavior Adaptation • Vahid Jalali, David Leake and Najmeh Forouzandehmehr. Ensemble of Adaptations for Classification: Learning Adaptation Rules for Categorical features • David Leake and Brian Schack. Adaptation-Guided Feature Deletion: Testing Recoverability to Guide Case Compression
12:15 – 1:45 pm	Lunch (and ICCBR PC Meeting)
1:45 – 2:45 pm	<p>Session 4: Advances in Compositional Adaptation</p> <p>chair: Elizabeth Whitaker</p> <ul style="list-style-type: none"> • Gleb Sizov, Pinar Ozturk and Erwin Marsi. Compositional Adaptation of Explanations in Textual Case-based Reasoning • Ditty Mathew and Sutanu Chakraborti. Competence Guided Casebase Maintenance for Compositional Adaptation Applications
2:45 – 3:15 pm	Refreshments
3:15 – 4:45 pm	<p>Session 5: Case Generation and Knowledge Discovery</p> <p>chair: Santiago Ontañon</p> <ul style="list-style-type: none"> • Gilbert Müller and Ralph Bergmann. Case Completion of Workflows for Process-Oriented Case-Based Reasoning • Xavier Ferrer Aran and Enric Plaza. Concept Discovery and Argument Bundles in the Experience Web • Kazjon Grace, Mary Lou Maher, David Wilson and Nadia Najjar. Combining CBR and Deep Learning to Generate Surprising Recipe Designs
4:45 – 5:00 pm	ICCBR Community Meeting

Map of Venue (TSRB)

