

Computational Interactivity

June 5 - 8, 2017

Tuesday (June 6)

9:00 - 9:20	Brief introduction to the seminar
9:20 - 10:30	Lightning Talks: 2 minutes talk & 2 slides per participant

10:40 - 11:15 *Coffee Break*

11:15 - 12:15	<p>Panel: "What is Computational Interaction?" (Moderator: Antti)</p> <p>Panelists:</p> <p>John Williamson: Broad definition from the CHI course</p> <p>Andrew Howes: Computational Interaction from a cognitive science perspective</p> <p>Roderick Murray-Smith: Computational Interaction from a control theory perspective</p> <p>Harold Thimbleby: Computational Interaction from formal methods perspective</p>
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12:15 - 2:00 *Lunch*

2:00 - 3:30	<p>Foundational Topics in Computational HCI (Moderators: Otmar and Antti)</p> <p><i>Talk length: 15 minutes</i></p> <p>Leif Azzopardi: User Economics</p> <p>Alec Jacobson: Human Math Interaction</p> <p>Per Ola Kristensson: Probabilistic models for text input and beyond</p> <p>Nikola Banovic: Enabling Human-Data Supported Interfaces through Computational Models of Human Behavior</p> <p>Wanyu Liu (Abby): A BIG (Bayesian Information Gain) approach for Human-Computer Interaction</p>
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3:30 - 4:00 *Coffee Break*

4:00 - 5:30	<p>Application Topics in Computational HCI (Moderator: Takeo)</p> <p><i>Talk length: 15 minutes</i></p> <p>Anna Feit: Text Entry</p> <p>Ranjitha Kumar: Data mining for web design</p> <p>Yuki Koyama: Crowdsourcing Visual Design</p> <p>Jürgen Steimle: Physical interaction</p> <p>Daniele Panozzo: Tangible device for animation design</p> <p>Andreas Karrenbauer: Functionality Selection in Interaction Design via Discrete Optimization</p>
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Dinner

Wednesday (June 7)

9:00 - 10:30	<p>Three Invited Talks (Moderator: Antti)</p> <p><i>Talk length: 20 minutes + 10 minutes discussion each</i></p> <p>Krzysztof Gajos: "Crowds and Computational Design"</p> <p>Jun Kato: "Data Sciences and the Future of Programming"</p> <p>Jerry Talton "Data-driven visual design"</p>
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10:30 - 11:15

Coffee Break

11:15 - 12:15	<p>Group Discussion (Moderator: Xiaojun)</p> <p>Groups will be (partially) formed based on your ideas on Tuesday</p>
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12:15 - 2:00

Lunch

2:00 - 5:30

Hiking! - Group discussions and 1:1 communication
Organizers: Xiaojun and Otmar

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Dinner

Thursday (June 8)

9:00 - 10:30	Reports from Group Discussion
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10:30 - 11:15 *Coffee Break*

11:15 - 12:15	Wrap-up, coordinating next steps, future plan for the community (Moderators: Antti, Otmar, Takeo, Xiaojun)
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12:15 - 2:00 *Lunch*

End of Seminar