



I U I 2 0 1 8

Where HCI meets A.I.



7 - 11 March, 2018

Tokyo, Japan

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CHAIRS' WELCOME

It's our great pleasure to welcome you to the 2018 ACM International Conference on Intelligent User Interfaces (IUI 2018), held in Tokyo from 7-11 of March.

This is the twenty-third IUI conference, continuing its tradition of being the main international forum for reporting outstanding research at the intersection of Human Computer Interaction (HCI) and Artificial Intelligence (AI). The work that appears at IUI bridges these two fields and delves also into related fields, such as psychology, cognitive science, computer graphics, the arts, and others. Members of the IUI community are interested in improving the symbiosis between humans and computers, and in making systems adapt to humans rather than the other way around.

The program of IUI 2018 reflects the growth of the Intelligent User Interfaces research community. The calls for contributions attracted 297 full and short paper submissions from all over the world (a record number for the IUI conference series), 127 submissions of posters and demos, and 22 submissions to the student consortium. The conference committee accepted 68 papers (43 long papers and 25 short papers), covering a diverse range of topics, as reflected in the conference session titles. The conference program also includes 35 posters, 30 demos, and 11 student consortium papers. Building on the tradition of collaboration of IUI with ACM TiiS journal, 4 papers that were published by the journal in 2017 will be presented at the conference and selected papers presented at the conference will be invited to submit extended versions to the journal. In addition, IUI 2018 will feature 7 workshops on topics related to Intelligent User Interfaces.

One of the main features of the conference are the 3 keynote talks. James A. Landay from Stanford University will open the conference with a keynote talk entitled "From On Body to Out of Body User Experience." Following this, Masataka Goto from the National Institute of Advanced Industrial Science and Technology (AIST) will present his talk "Intelligent Music Interfaces." Finally, Jennifer Golbeck from the University of Maryland will present her talk "Surveillance or Support: When Personalization Turns Creepy." IUI 2018 will also feature the second edition of the lasting Impact Award, celebrating an impactful paper presented at one of the past editions of IUI.

A novel aspect of IUI 2018 will be its co-location with IPSJ Interaction 2018, the leading domestic HCI conference in Japan. The two conferences will be held in the Hitotsubashi Hall and will be scheduled back-to-back, allowing the participants of one conference to also take part in the other. The two conferences will have a shared day that will feature the keynote talk of James A. Landay and a shared interactive poster/demo session. This co-location of the conferences will expose IUI to the local research community and hopefully attract new participants. We thank the IPSJ (Information Processing Society in Japan), and especially the five special-interest groups that organize IPSJ Interaction: IPSJ SIG-HCI, SIG-GN, SIG-UBI, SIG-EC and SIG-DCC. Without their immense help, this co-location would not have been possible. We also thank SIGCHI for their funding for Internationalisation, Diversity and Inclusion events at SIGCHI Sponsored

Conferences to support this co-location.

This year the IUI community honours Charles Rich, professor of computer science at Worcester Polytechnic Institute (WPI), principal research scientist at MIT and a founding member and distinguished scientist at the Mitsubishi Electronic Research Laboratories (MERL). Charles was a pioneer in artificial intelligence (AI) and human-computer interaction who died Jan. 3 this year. Please join us at Session 3B where we honour Charles whose goal was to improve our interactions with technology of all kinds by making them more intuitive, natural, and productive. You can learn more about Charles and his life here: <https://www.wpi.edu/news/memorial-charles-rich-computer-science-professor-and-artificial-intelligence-pioneer>

IUI 2018 has been a product of a vibrant and supportive community, and a cohort of amazing organizers, who have generously volunteered much of their own time. Their names can be found in the following pages. All the members of the organizing committee have done a stellar job of coordinating the many parts that go into putting together a great conference. We extend our deepest gratitude to the 43 Senior Program Committee members for coordinating the papers review process, as well as the 107 members of the long/short papers' Program Committee and the 90 members of the Posters/Demos Program Committee for providing high quality reviews. The local organizers have worked particularly hard and a special big thank you goes to all the other members of the organizing committee. THANK YOU all!

Most importantly, we thank the authors of all the contributions - technical program, posters/demos, student consortium, and workshops - for providing the content of IUI 2018. The process was competitive and selective, and allowed us to develop the excellent program that is the heart of the conference.

Last but not least, we gratefully thank the traditional sponsors of IUI - ACM SIGCHI and ACM SIGAI - and our corporate supporters: Adobe (Silver supporter), DAYPLA (Silver supporter), LIFULL (Silver supporter), Yahoo! Japan (Bronze supporter), and Rakuten (Bronze supporter). Their generous funding helped immensely.

We hope you find the program of IUI 2018 interesting and thought-provoking. We also hope the conference provides you with a valuable opportunity to share ideas with other researchers and practitioners from around the world, leading to further advancements in the exciting research field of Intelligent User Interfaces.

Shlomo Berkovsky, Yoshinori Hijikata,
and Jun Rekimoto

IUI 2018 General Chairs



Margaret Burnett, Mark Billinghurst,
and Aaron Quigley

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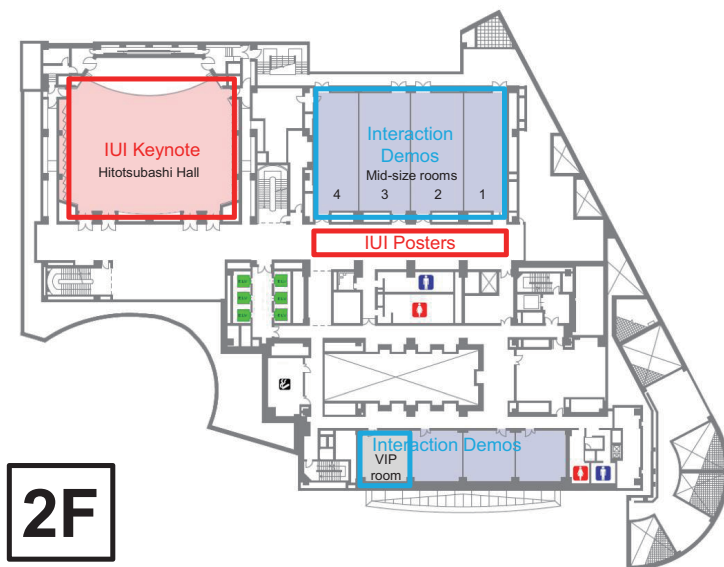
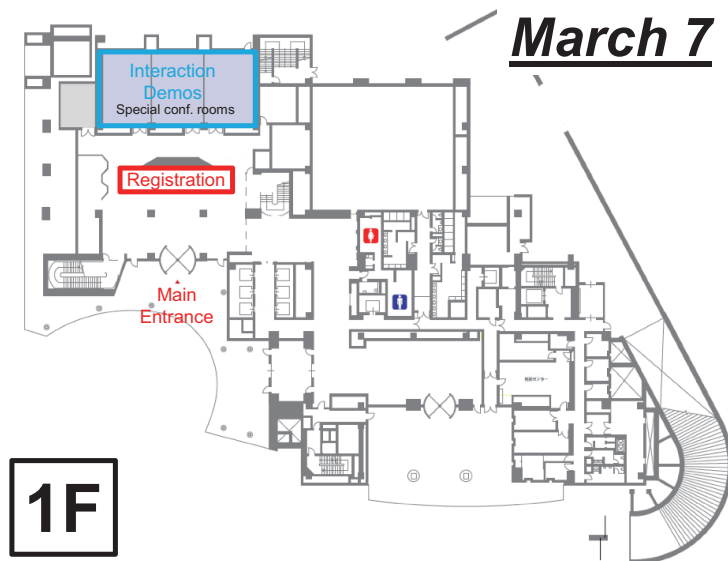
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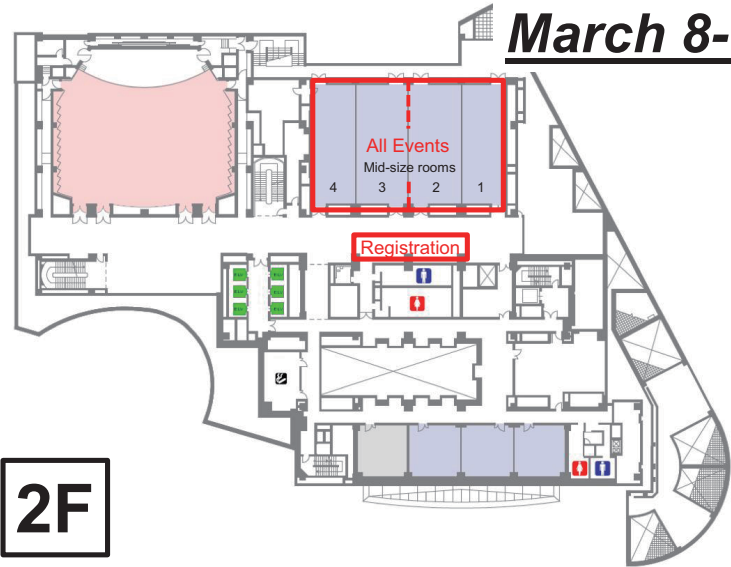
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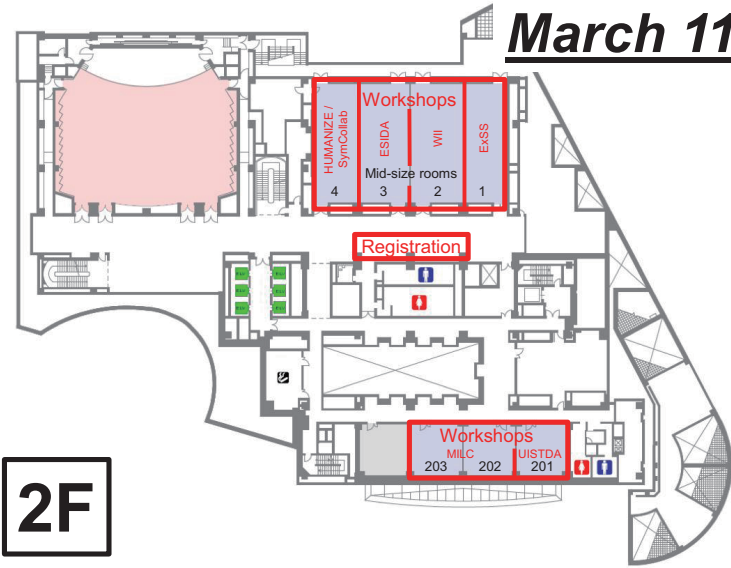
FLOOR MAPS



March 8-10



March 11



PROGRAM AT A GLANCE

Wednesday, March 7th

Shared day with IPSJ Interaction

Time	Schedule
Registration / Support Desk Hours (11:40 – 17:00, 1F Lobby)	
11:40 – 13:00	Lunch (your own)
13:00 – 15:00	Poster Session (<i>shared with IPSJ Interaction</i>) IUI 2018 posters and Student Consortium posters (2F) IPSJ Interaction demos (1F & 2F)
15:00 – 15:20	Coffee Break
15:20 – 16:50	Keynote (2F Hitotsubashi Hall) <i>From on Body to Out of Body User Experience</i> Professor James A. Landay (Stanford University) Chair: Jun Rekimoto (University of Tokyo)
17:30 – 20:00	Welcome Reception

Thursday, March 8th

Conference day 1

Time	Schedule	
Registration / Support Desk Hours (9:15 – 18:00, 2F)		
9:30 – 10:45	Keynote (2F Mid-size room 1-4) <i>Intelligent Music Interfaces</i> Dr. Masataka Goto (National Institute of Advanced Industrial Science and Technology (AIST)) Chair: Yoshinori Hijikata (Kwansei Gakuin University)	
10:45 – 11:15	Coffee Break	
11:15 – 12:45	Session 1A: (2F Mid-size room 3-4) <i>Recommender Systems</i> Chair: John O'Donovan (UCSB)	Session 1B: (2F Mid-size room 1-2) <i>Multimodal Interfaces</i> Chair: Osnat Mokryn (University of Haifa)
12:45 – 14:00	Lunch (your own)	
14:00 – 16:00	Session 2A: (2F Mid-size room 3-4) <i>Evaluation of IUIs</i> Chair: Simone Stumpf (University of London)	Session 2B: (2F Mid-size room 1-2) <i>Modelling and Predicting User Behavior</i> Chair: Jeff Nichols (Google)
16:00 – 16:30	Coffee Break	
16:30 – 18:15	Session 3A: (2F Mid-size room 3-4) <i>XAI: Explainable IUIs</i> Chair: Vera Liao (IBM Research)	Session 3B: (2F Mid-size room 1-2) <i>Interactive Machine Learning and Analysis</i> Chair: Elizabeth Daly (IBM Research) In Memoriam: Charles Rich, Computer Science Professor and Artificial Intelligence Pioneer

Friday, March 9th

Conference day 2

Time	Schedule		
Registration / Support Desk Hours (9:15 – 18:00, 2F)			
9:15 – 10:15	Keynote (2F Mid-size room 1-4) <i>Surveillance or Support: When Personalization Turns Creepy</i> Professor Jennifer Golbeck (University of Maryland) Chair: Shlomo Berkovsky (CSIRO)		
10:15 – 10:45	Coffee Break		
10:45 – 12:45	Session 4A: (2F Mid-size room 3-4) <i>Information Retrieval and Search</i> Chair: Cecile Paris (CSIRO)	Session 4B: (2F Mid-size room 1-2) <i>Persuasive and Assistive UIs</i> Chair: Brian Lim (National University of Singapore)	
12:45 – 14:00	Lunch (your own)		
14:00 – 16:00	Session 5A: (2F Mid-size room 3-4) <i>UIs for Wearable, Mobile and Ubiquitous Computing</i> Chair: Antonio Krüger (DFKI)	Session 5B: (2F Mid-size room 1-2) <i>Intelligent Visualization and Smart Environments</i> Chair: Giulio Jacucci (Helsinki Institute for Information Technology HIIT)	
16:00 – 16:30	Coffee Break		
16:30 – 18:00	Student Consortium (2F Mid-size room 3-4) Session SC-1: (2F Mid-size room 3-4) <i>Intelligent Health Care</i>	Session SC-2: (2F Mid-size room 2) <i>Interaction and Behavior</i>	Session SC-3: (2F Mid-size room 1) <i>Modeling</i>
19:15 – 22:00	Conference Dinner Shuttle buses will leave <u>at 18:15 in front of the building of Hitotsubashi Hall.</u>		

Saturday, March 10th
Conference day 3

Time	Schedule	
Registration / Support Desk Hours (9:15 – 16:30, 2F)		
9:15 – 11:00	Impact Award & Town Hall Meeting (2F Mid-size room 1-4)	
11:00 – 11:30	Coffee Break	
11:30 – 13:15	Session 6A: (2F Mid-size room 3-4) <i>IUIs for Complex Tasks</i> Chair: Alison Smith (University of Maryland)	Session 6B: (2F Mid-size room 1-2) <i>Social Media and Recommenders</i> Chair: Takayuki Itoh (Ochanomizu University)
13:15 – 14:30	Lunch (your own)	
14:30 – 16:45	Demo Session (including coffee break) (2F Mid-size room 1-4)	
	Closing (2F Mid-size room 1-4)	

Sunday, March 11th

Workshop day

Time	Full day workshops	Half day workshops
Registration / Support Desk Hours (9:15 – 15:30, 2F)		
9:15 – 10:45 AM Session 1	ESIDA (2F Mid-size room 3) Exploratory Search and Interactive Data Analytics	HUMANIZE (2F Mid-size room 4) Theory-Informed User Modeling for Tailoring and Personalizing Interfaces
10:45 – 11:00 Coffee Break	WII (2F Mid-size room 2) Web Intelligence and Interaction	UISTDA (2F Room 201) User Interfaces for Spatial-Temporal Data Analysis
11:00 – 12:30 AM Session 2	ExSS (2F Mid-size room 1) Explainable Smart Systems	
12:30 – 13:30 Lunch (your own)	MILC (2F Room 202-203) Intelligent Music Interfaces for Listening and Creation	
13:30 – 15:00 PM Session 1		SymCollab (2F Mid-size room 4) Symbiotic Interaction and Harmonious Collaboration for Wisdom Computing
15:00 – 15:15 Coffee Break		
15:15 – 16:45 PM Session 2		

KEYNOTES

From on Body to Out of Body User Experience

March 7th, 15:20 - 16:50, 2F Hitotsubashi Hall

James A. Landay

Stanford University



Abstract

Today's most common user interfaces represent an incremental change from the GUI popularized by the Apple Macintosh in 1984. Over the last 30 years the dominant hardware has changed drastically while the user interface has barely moved: from one hand on a mouse to two fingers on a panel of glass. I will illustrate how we are building on-body interfaces of the future that further engage our bodies by using muscle sensing for input and vibrotactile output, offering discrete and natural interaction on the go. I will also show how other interfaces we are designing take an even more radical approach, moving the interface off the human body altogether and onto drones that project into the space around them. Finally, I will introduce a new project where we envision buildings as hybrid physical-digital spaces that both sense and actuate to improve human wellbeing.

Biography

James Landay is a Professor of Computer Science and the Anand Rajaraman and Venky Harinarayan Professor in the School of Engineering at Stanford University. He specializes in human-computer interaction. He is the founder and co-director of the World Lab, a joint research and educational effort with Tsinghua University in Beijing. Previously, Landay was a Professor of Information Science at Cornell Tech in New York City, a Professor of Computer Science & Engineering at the University of Washington, and a Professor in EECS at UC Berkeley. From 2003 through 2006 he was the Laboratory Director of Intel Labs Seattle, a university affiliated research lab that explored the new usage models, applications, and technology for ubiquitous computing. He was also the chief scientist and co-founder of NetRaker, which was acquired by KeyNote Systems in 2004. Landay received his BS in EECS from UC Berkeley in 1990, and MS and PhD in Computer Science from Carnegie Mellon University in 1993 and 1996, respectively. He is a member of the ACM SIGCHI Academy and he is an ACM Fellow.

Intelligent Music Interfaces

March 8th, 9:30 - 10:45, 2F Mid-size room 1-4

Masataka Goto

National Institute of Advanced Industrial Science
and Technology (AIST)

<https://staff.aist.go.jp/m.goto/>



Abstract

Automatic music-understanding technologies (automatic analysis of music signals) make possible the creation of intelligent music interfaces that enrich music experiences and open up new ways of listening to music. In the past, it was common to listen to music in a somewhat passive manner; in the future, people will be able to enjoy music in a more active manner by using music technologies. Listening to music through active interactions is called active music listening.

In this keynote speech I first introduce active music listening interfaces demonstrating how end users can benefit from music-understanding technologies based on signal processing and/or machine learning. By analyzing the music structure (chorus sections), for example, the SmartMusicKIOSK interface enables people to access their favorite part of a song directly (skipping other parts) while viewing a visual representation of the song's structure. I then introduce our recent challenge of deploying such research-level music interfaces as web services open to the public. Those services augment people's understanding of music, enable music-synchronized control of computer-graphics animation and robots, and provide various bird's-eye views on a large music collection.

Biography

Masataka Goto received the Doctor of Engineering degree from Waseda University in 1998. He is currently a Prime Senior Researcher at the National Institute of Advanced Industrial Science and Technology (AIST). In 1992 he was one of the first to start working on automatic music understanding and has since been at the forefront of research in music technologies and music interfaces based on those technologies. Over the past 25 years he has published more than 250 papers in refereed journals and international conferences and has received 46 awards, including several best paper awards, best presentation awards, the Tenth Japan Academy Medal, and the Tenth JSPS PRIZE. He has served as a committee member of over 110 scientific societies and conferences, including the General Chair of ISMIR 2009 and 2014. In 2016, as the Research Director he began a 5-year research project (OngaACCEL Project) on music technologies, a project funded by the Japan Science and Technology Agency (ACCEL, JST).

Surveillance or Support: When Personalization Turns Creepy

March 9th, 9:15 - 10:15, 2F Mid-size room 1-4

Jennifer Golbeck

University of Maryland



Abstract

Personalization, recommendations, and user modeling can be powerful tools to improve people's experiences with technology and to help them find information. However, we also know that people underestimate how much of their personal information is used by our technology and they generally do not understand how much algorithms can discover about them.

Both privacy and ethical technology have issues of consent at their heart. While many personalization systems assume most users would consent to the way they employ personaldata, research shows this is not necessarily the case. This talk will look at how to consider issues of privacy and consent when users cannot explicitly state their preferences, The Creepy Factor, and how to balance users' concerns with the benefits personalized technology can offer.

Biography

Jennifer Golbeck is Director of the Social Intelligence Lab and an Associate Professor in the College of Information Studies at the University of Maryland, College Park where she is director of the Social Intelligence Lab.

Her research focuses on analyzing and computing with social media, focused on predicting user attributes, and using the results to design and build systems that improve the way people interact with information online. She also studies malicious behavior online, including bot detection, online harassment, and fake news.

She received an AB in Economics and an SB and SM in Computer Science at the University of Chicago, and a Ph.D. in Computer Science from the University of Maryland, College Park.

WORKSHOPS

ESIDA: Exploratory Search and Interactive Data Analytics

FULL DAY: March 11th, 9:15 – 16:45, 2F Mid-size room 3

Organizers

- Dorota Glowacka, School of Informatics, University of Edinburgh
- Evangelos Milios, Faculty of Computer Science, Dalhousie University
- Axel J. Soto, School of Computer Science, University of Manchester
- Fernando V. Paulovich, Faculty of Computer Science, Dalhousie University
- Denis Parra, Department of Computer Science, Pontificia Universidad Catolica de Chile

Website

<https://sites.google.com/view/esida2018>

Summary

The aim of this workshop is to explore new methods and interface/system design for interactive data analytics and management in various domains, including specialised text collections (e.g. legal, medical, scientific), multimedia, and bioinformatics, as well as for various tasks, such as semantic information retrieval, conceptual organization and clustering of data collections for sense making, semantic expert profiling, and document/multimedia recommender systems. The primary audience of the workshop are researchers and practitioners in the area of interactive and personalised system design as well as interactive machine learning both from academia and industry. IUI, with its focus on the intersection of HCI and AI, is a perfect venue where researchers from system/interface design community and the machine learning community can meet.

WII: Web Intelligence and Interaction

FULL DAY: March 11th, 9:15 – 16:45, 2F Mid-size room 2

Organizers

- Yasufumi Takama, Tokyo Metropolitan University
- Yukiko Kawai, Kyoto Sangyo University
- Daisuke Kitayama, Kogakuin University
- Taro Sugihara, Okayama University
- Mitsuo Yoshida, Toyohashi University of Technology

Website

<http://www.sigwi2.org/wii2018>

Summary

Various contents and services have emerged on the Web, and user behaviors on the Web have diversified for being adapted the ramification. Therefore, we need to pay attention to interaction among users, information, and systems in order to find fruitful ways for the Web use. Introducing various intelligent technologies such as recommendation and natural language processing is also another key aspect for tackling the ever-growing Web, with integrating with interactive technologies. This workshop aims to bring together researchers to present and exchange ideas, results, and experiences in the field of Web intelligence, especially focusing on its interactive aspect.

ExSS: Explainable Smart Systems

FULL DAY: March 11th, 9:15 – 16:45, 2F Mid-size room 1

Organizers

- Brian Lim, National University of Singapore
- Alison Smith, Decisive Analytics Corporation
- Simone Stumpf, City, University of London

Website

<http://explainablesystems.comp.nus.edu.sg/>

Summary

Smart systems that apply complex reasoning to make decisions and plan behavior, such as clinical decision support systems, personalized recommendations, and machine learning classifiers, are difficult for users to understand. While research to make systems more explainable and therefore more intelligible and transparent is gaining pace, there are numerous issues and problems regarding these systems that demand further attention. The goal of this workshop is to bring researchers and industry together to address these issues, such as when and how to provide an explanation to a user. The workshop will include a keynote, poster panels, and group activities, with the goal of developing concrete approaches to handling challenges related to the design and development of explainable smart systems.

MILC: Intelligent Music Interfaces for Listening and Creation

FULL DAY: March 11th, 9:15 – 16:45, 2F Room 202-203

Organizers

- Peter Knees, Vienna University of Technology
- Markus Schedl, Johannes Kepler University Linz
- Rebecca Fiebrink, Goldsmiths, University of London

Website

<https://iui2018milc.github.io>

Summary

Today's music ecosystem is permeated by digital technology from recording to production to distribution to consumption. Intelligent technologies and interfaces play a crucial role during all these steps. On the music creation side, tools and interfaces like new sensor-based musical instruments or software like digital audio workstations (DAWs) and sound and sample browsers support creativity. Generative systems can support novice and professional musicians by automatically synthesising new sounds or even new musical material. On the music consumption side, tools and interfaces such as recommender systems, automatic radio stations, or active listening applications allow users to navigate the virtually endless spaces of music repositories.

Both ends of the music market therefore heavily rely on and benefit from intelligent approaches that enable users to access sound and music in unprecedented manners. This ongoing trend draws from manifold areas such as interactive machine learning, music information retrieval (MIR) in particular content-based retrieval systems, recommender systems, human computer interaction, and adaptive systems, to name but a few prominent examples. The Workshop on Intelligent Music Interfaces for Listening and Creation (MILC 2018) will bring together researchers from these communities and provide a forum for the latest trends in user-centric machine learning and interfaces for music consumption and creation.

HUMANIZE: Theory-Informed User Modeling for Tailoring and Personalizing Interfaces

HALF DAY: March 11th, 9:15 – 12:30, 2F Mid-size room 4

Organizers

- Mark P. Graus, Eindhoven University of Technology
- Bruce Ferwerda, Jonkoping University & Johannes Kepler University
- Marko Tkalcić, Free University of Bozen-Bolzano
- Panagiotis Germanakos, SAP SE & University of Cyprus

Website

<https://humanize2018.wordpress.com/>

Summary

The HUMANIZE workshop aims to provide a venue for scholars to discover and discuss research findings on how to incorporate psychological theory into personalized interfaces. Personalization is often done through mining behavior data for patterns, but many examples exist of improving personalization techniques by incorporating psychological understanding of users in the form of user models. HUMANIZE aims to explore the interface between purely data-driven approaches and approaches that incorporate theoretical knowledge of users of a system.

UISTDA: User Interfaces for Spatial-Temporal Data Analysis

HALF DAY: March 11th, 9:15 – 12:30, 2F Room 201

Organizers

- Shoko Wakamiya, Nara Institute of Science and Technology
- Adam Jatowt, Kyoto University
- Yukiko Kawai, Kyoto Sangyo University
- Toyokazu Akiyama, Kyoto Sangyo University
- Ricardo Campos, Polytechnic Institute of Tomar, LIAAD INESC TEC

Website

<http://sociocom.jp/~event/uistda2018/>

Summary

Nowadays, humanity generates and contributes to form large and complex datasets, going from documents published on media outlets, posts on social media or location-based information. The generated information tends to be complex, heterogeneous (texts, images, videos, etc.) and is growing at an incredible pace, with much of this data having a strong spatial and temporal focus. This steady increase in the availability of such a volume of information, forces the need of the development of more effective user interfaces that would assist users in efficient visualization, analysis and exploration of the data. The UISTDA workshop aims at sharing latest progress and developments, current challenges and potential applications for exploiting large amounts of spatial-temporal data. One practical application example to mention are specialized route navigation and suggestion systems for pedestrians, cyclists, tourists, or minorities such as elder people, pregnant, disabled people, etc. To generate route suggestions and explore potential suggested routes users need effective systems and user interfaces. Effective data preprocessing and management techniques are also needed for constructing large scale real-world applications or for investigating complex interaction patterns in order to detect useful knowledge.

SymCollab: Symbiotic Interaction and Harmonious Collaboration for Wisdom Computing

HALF DAY: March 11th, 13:30 – 16:45, 2F Mid-size room 4

Organizers

- Kenji Mase, Nagoya University
- Norihiro Hagita, ATR Intelligent Robotics Research Labs
- Yukiko Nakano, Seikei University

Website

<http://symcollab.info/2018/>

Summary

This workshop will introduce the CREST research programs on "Symbiotic Interaction" and "Harmonious Collaboration between Human and Machine", along with the project team introduction with their progress and achievements. It is also open for the presentations of related topics that may be the candidates of future research proposals.

SESSION SCHEDULE

Wednesday, March 7th

Shared day with IPSJ Interaction

Poster Session (13:00 – 15:00, 2F)

- *SinkAmp: Interactive Sink to Detect Living Habits for Healthcare and Quality of Life*
Hiroaki Tobita, Koichi Miyazaki
- *Cursor Entropy Reveals Decision Fatigue*
Daniel Reinhardt, Jörn Hurlienne
- *Supporting a Children's Workshop with Machine Translation*
Mondheera Pituxcoosuvann, Toru Ishida, Naomi Yamashita, Toshiyuki Takasaki, Yumiko Mori
- *Egocentric Video Multi-viewer for Analyzing Skilled Behaviors based on Gaze Object*
Yuki Umezawa, Takatsugu Hirayama, Yu Enokibori, Kenji Mase
- *Convolutional Matrix Factorization for Recommendation Explanation*
Yichao Lu, Ruihai Dong, Barry Smyth
- *A Deep Learning Based Method For 3D Human PoseEstimation From 2D Fisheye Images*
Ching-Chun Chen, Chia-Min Wu, I-Chao Shen, Bing-Yu Chen
- *A Recommender System based on Detected Users' Complaints by Analyzing Reviews*
Toshinori Hayashi, Yuanyuan Wang, Yukiko Kawai, Kazutoshi Sumiya
- *Impression-based Fabrication: A framework to Reflect Personal Preferences in the Fabrication Process*
Takashi Totsuka, Yuichiro Kinoshita, Shota Shiraga, Kentaro Go
- *Infomation Display Method to Give the Non-Mechanical Impression by Imitating the Communication with Pets*
Suguru Arinami, Yu Suzuki
- *A Configurable and Contextually Expandable Interactive Picture Exchange Communication System (PECS) for Chinese Children with Autism*
Tiffany Tang, Pinata Winoto
- *Providing Adaptive and Personalized Visual Support based on Behavioral Tracking of Children with Autism for Assessing Reciprocity and Coordination Skills in a Joint Attention Training Application*
Tiffany Tang, Pinata Winoto

- *Can You Help Me without Knowing Much? Exploring Cued-Knowledge Sharing for Instructors' Tutorial Generation*
Chi-Lan Yang, Hao-Chuan Wang
- *Customizing User Experience with Adaptive Virtual Reality*
Bachar Senno, Pedro Barcha
- *On the Expression of Agent Emotions in Customer Support Dialogs in Social Media*
michal shmueli scheuer, Jonathan Herzig, Tommy Sandbank, David Konopnicki
- *Omni-Gesture: A Hand Gesture Interface for Omnidirectional Devices*
Heesun Kim, Dongeon Lee, MIN GYEONG KIM, Hyejin Jang, Ji-hyung Park
- *Assessing Cognitive Workload on Printed and Electronic Media using Eye-Tracker and EDA Wristband*
Iuliia Brishtel, Shoya Ishimaru, Olivier Augereau, Koichi Kise, Andreas Dengel
- *Trusting Strangers in Immersive Virtual Reality*
Ceenu George, Malin Eiband, Michael Hufnagel, Heinrich Hussmann
- *Spatio-Temporal Visualization of Tweet Data around Tokyo Disney Land Using VR*
Kaya Okada, Mitsuo Yoshida, Takayuki Itoh, Tobias Czauderna, Kingsley Stephens
- *An Intelligent User Interface for Efficient Semi-automatic Transcription of Historical Handwritten Documents*
Anders Hast, Ekta Vats
- *ActiveMap: Visual Analysis of Temporal Activity in Social Media Sites*
hagit ben shoshan, Osnat Mokryn
- *Gaze Data Clustering and Analysis*
Sangbong Yoo, Sujin Jeong, Yun Jang
- *Using Spatialized Audio to Improve Human Spatial Knowledge Acquisition in Virtual Reality*
Seraphina Yong, Hao-Chuan Wang
- *Muscle-Wire Glove: Pressure Based Haptic Interface*
Cedric Caremel, George Chernyshov, Gemma Liu, Kai Kunze
- *How Personal Experience and Technical Knowledge Affect Using Conversational Agents*
Mei-Ling Chen, Hao-Chuan Wang
- *WAIVS: An Intelligent Interface for Visual Stylometry Using Semantic Workflows*
Ricky Sethi, Catherine Buell, William Seeley
- *Pair Matching: Transdisciplinary Study for Introducing Computational Intelligence to Guide Dog Associations*
June Han

- *The Effects of Virtual Agents' Characteristics on User Impressions and Language Use*
Fatema Akbar, Ted Grover, Gloria Mark, Michelle Zhou
- *Automatic Generation of Natural Language Explanations*
Felipe Soares da Costa, Sixun Ouyang, Peter Dolog, Lawlor Aonghus
- *Personality-Aware Decision Making In Educational Learning*
Yong Zheng
- *Explaining Social Recommendations to Non-Expert Users: Design Principles and Opportunities*
Chun-Hua Tsai, Brusilovsky Peter
- *In Tandem: Exploring Interactive Opportunities for Dual Input and Output on Two Smartwatches*
Petru Cioată, Radu-Daniel Vatavu
- *An Intelligent Educational Platform for Training Spatial Visualization Skills*
Ziang Xiao, Yuqi Yao, Wai-Tat Fu
- *Dynamic Path Planning of Flying Projector Considering Collision Avoidance with Observer and Bright Projection*
Takumi Kawahara, Daisuke Iwai, Kosuke Sato
- *Scenario Context v/s Framing and Defaults in Managing Privacy in Household IoT*
Paritosh Bahirat, Bart Knijnenburg
- *BoTest: a Framework to Test the Quality of Conversational Agents Using Divergent Input Examples*
Elayne Ruane, Anthony Ventresque

Thursday, March 8th

Conference day 1

(Long/TiiS = 20 mins, Short = 15 mins.)

Session 1A: Recommender Systems (11:15 - 12:45, 2F Mid-size room 3-4)

Chair: John O'Donovan (UCSB)

- *(Long) FocusMusicRecommender: A System for Recommending Music to Listen to While Working*
Hiromu Yakura, Tomoyasu Nakano, Masataka Goto
- *(Long) Ensemble Recommendations via Thompson Sampling: an Experimental Study within e-Commerce*
Dimitris Paraschakis, Bengt J. Nilsson, Mikael Hammar, Bjorn Broden
- *(Short) Discovering Surprising Documents with Context-Aware Word Representations*
Michal Derezhinski, Khashayar Rohanimanesh, Aamer Hydrie
- *(Short) FontMatcher: Font Image Paring for Harmonious Digital Graphic Design*
Saemi Choi, Kiyoharu Aizawa, Nicu Sebe
- *(TiiS) Interacting with Recommenders – Overview and Research Directions*
Michael Jugovac, Dietmar Jannach

Session 1B: Multimodal Interfaces (11:15 - 12:45, 2F Mid-size room 1-2)

Chair: Osnat Mokryn (University of Haifa)

- *(Long) AlterEgo: A Personalized Wearable Silent Speech Interface*
Arnav Kapur, Shreyas Kapur, Pattie Maes
- *(Long) Aging and Engaging: A Social Conversational Skills Training Program for Older Adults*
Mohammad Rafayet Ali, Kimberly Van Orden, Kimberly Parkhurst, Shuyang Liu, Viet-Duy Nguyen, Paul Duberstein, M. Ehsan Hoque
- *(Short) Supporting Spatial Skill Learning with Gesture-Based Embodied Design*
Po-Tsung Chiu, Helen C. Wauck, Ziang Xiao, Yuqi Yao, Wai-Tat Fu
- *(Short) Bio-adaptive Social VR to Evoke Affective Interdependence - DYNECOM*
Mikko Salminen, Simo Jarvela, Antti Ruonala, Janne Timonen, Kristiina Mannermaa, Niklas Ravaja, Giulio Jacucci
- *(Long) Eye Gaze Controlled MFD for Military Aviation*
Pradipta Biswas

Session 2A: Evaluation of IUIs (14:00 - 16:00, 2F Mid-size room 3-4)

Chair: Simone Stumpf (University of London)

- *(Long) Cubicle: An Adaptive Educational Gaming Platform for Training Spatial Visualization Skills*
Ziang Xiao, Helen C. Wauck, Zeya Peng, Hanfei Ren, Lei Zhang, Shiliang Zuo, Yuqi Yao, Wai-Tat Fu
- *(Long) An Interactive Relevance Feedback Interface for Evidence-Based Health Care*
Ivania Donoso-Guzman, Denis Parra
- *(Long) Modality Switching for Mitigation of Sensory Adaptation and Habituation in Personal Navigation Systems*
Kyle Kotowick, Julie Shah
- *(Long) Touch-Supported Voice Recording to Facilitate Forced Alignment of Text and Speech in an E-Reading Interface*
Benett Axtell, Cosmin Munteanu, Carrie Demmans Epp, Yomna Aly, Frank Rudzicz
- *(Short) Comparing Speech and Text Input in Interactive Narratives*
Diego Gonzalez, Andrew S. Gordon
- *(Short) Eye Gaze-driven Prediction of Cognitive Differences during Graphical Password Composition*
Christina Katsini, Christos Fidas, George E. Raptis, Marios Belk, George Samaras, Nikolaos Avouris

Session 2B: Modelling and Predicting User Behavior (14:00 - 16:00, 2F Mid-size room 1-2)

Chair: Jeff Nichols (Google)

- *(Long) Detecting Low Rapport During Natural Interactions in Small Groups from Non-Verbal Behaviour*
Philipp Matthias Mueller, Michael Xuelin Huang, Andreas Bulling
- *(Long) A Data-Driven Approach to Developing IoT Privacy-Setting Interfaces*
Bart Knijnenburg, Paritosh Bahirat, Abhilash Menon, Yangyang He
- *(Long) To Draw or Not to Draw: Recognizing Stroke-Hover Intent in Non-instrumented Gesture-free Mid-Air Sketching*
Umema Hakimuddin Bohari, Ting-Ju Chen, Vinayak Vinayak
- *(Long) Webcam-based Attention Tracking in Online Learning: A Feasibility Study*
Tarmo Robal, Yue Zhao, Christoph Lofi, Claudia Hauff
- *(Short) User-adaptive Support for Processing Magazine Style Narrative Visualizations: Identifying User Characteristics that Matter*
Dereck Toker, Cristina Conati, Giuseppe Carenini

- *(Short) Detecting Memory-Based Interaction Obstacles with a Recurrent Neural Model of User Behavior*

Felix Putze, Mazen Salous, Tanja Schultz

Session 3A: XAI: Explainable UIs (16:30 - 18:15, 2F Mid-size room 3-4)

Chair: Vera Liao (IBM Research)

- *(Long) Bringing Transparency Design into Practice*
Malin Eiband, Hanna Schneider, Mark Bilandzic, Julian Fazekas-Con, Mareike Haug, Heinrich Hussmann
- *(Long) Toward Foraging for Understanding of StarCraft Agents: An Empirical Study*
Sean Penney, Jonathan Dodge, Claudia Hilderbrand, Andrew A. Anderson, Logan Simpson, Margaret Burnett
- *(Long) Beyond the Ranked List: User-Driven Exploration and Diversification of Social Recommendation*
Chun-Hua Tsai, Peter Brusilovsky
- *(Long) Opportunity Team Builder for Sales Teams*
Oznur Alkan, Elizabeth M. Daly, Inge Vejsbjerg
- *(Short) Combining Brain-Computer Interface and Eye Tracking for High-Speed Text Entry in Virtual Reality*
Xinyao Ma, Zhaolin Yao, Yijun Wang, Weihua Pei, Hongda Chen

Session 3B: Interactive Machine Learning and Analysis (16:30 - 18:15, 2F Mid-size room 1-2)

Chair: Elizabeth Daly (IBM Research)

In Memoriam: Charles Rich, Computer Science Professor and Artificial Intelligence Pioneer

- *(Long) AnchorViz: Facilitating Classifier Error Discovery through Interactive Semantic Data Exploration*
Nan-Chen Chen, Jina Suh, Johan Verwey, Gonzalo Ramos, Steven Drucker, Patrice Simard
- *(Long) Interactive Document Clustering Revisited: A Visual Analytics Approach*
Ehsan Sherkat, Seyednaser Nourashrafeddin, Evangelos Milios, Rosane Minghim
- *(Long) Closing the Loop: User-Centered Design and Evaluation of a Human-in-the-Loop Topic Modeling System*
Alison Smith, Varun Kumar, Jordan Boyd-Graber, Kevin Seppi, Leah Findlater
- *(Short) User Modelling for Avoiding Overfitting in Interactive Knowledge Elicitation for Prediction*
Pedram Daei, Tomi Peltola, Aki Vehtari, Samuel Kaski

- *(Short) Who is the Hero, the Villain, and the Victim? Detection of Roles in News Articles using Natural Language Techniques*

Diego Alonso Gomez-Zara, Miriam Boon, Larry Birnbaum

Friday, March 9th

Conference day 2

Session 4A: Information Retrieval and Search (10:45 - 12:45, 2F Mid-size room 3-4)

Chair: Cecile Paris (CSIRO)

- *(Long) Cloud Menus, a Circular Adaptive Menu for Small Screens*
Jean Vanderdonckt, Sara Bouzit, Gaelle Calvary, Denis Chene
- *(Long) Creative Writing with a Machine in the Loop: Case Studies on Slogans and Stories*
Elizabeth Clark, Anne Ross, Chenhao Tan, Yangfeng Ji, Noah Smith
- *(Long) Session-based Suggestion of Topics for Geographic Exploratory Search*
Noemi Mauro, Liliana Ardissono
- *(Long) A Study on User-Controllable Social Exploratory Search*
Cecilia di Sciascio, Peter Brusilovsky, Eduardo Veas
- *(TiiS) Discovering User Behavioral Features to Enhance Information Search on Big Data*
Nunziato Cassavia, Elio Masciari, Chiara Pulice, Domenico Saccà
- *(Short) Towards an Optimal Dialog Strategy for Information Retrieval Using Both Open- and Close-ended Questions*
Yunfeng Zhang, Q. Vera Liao, Biplav Srivastava

Session 4B: Persuasive and Assistive UIs (10:45 - 12:45, 2F Mid-size room 1-2)

Chair: Brian Lim (National University of Singapore)

- *(Long) Burst Your Bubble! An Intelligent System for Improving Awareness of Diverse Social Opinions*
Mingkun Gao, Hyo Jin Do, Wai-Tat Fu
- *(Long) Visible Hearts, Visible Hands: A Smart Crowd Donation Platform*
Chi-Hsien Yen, Yi-Chieh Lee, Wai-Tat Fu
- *(Short) Ev'ry Little Movement Has a Meaning of Its Own: Using Past Mouse Movements to Predict the Next Interaction*
Tiffany C.K. Kwok, Eugene Yujun Fu, Erin You Wu, Michael Xuelin Huang, Grace Ngai, Hong-Va Leong
- *(Short) Modeling Expertise in Assistive Navigation Interfaces for Blind People*
Eshed Ohn-Bar, Joao Guerreiro, Dragan Ahmetovic, Kris Kitani, Chieko Asakawa
- *(Short) AVEID: Automatic Video System for Measuring Engagement In Dementia*
Pin Sym Foong, Viral Parekh, Ramanathan Subramanian, Shengdong Zhao

- *(Short) Voice Input Tutoring System for Older Adults using Input Stumble Detection*
Toshiyuki Hagiya, Keiichiro Hoashi, Tatsuya Kawahara
- *(Short) The I in Team: Mining Personal Social Interaction Routine with Topic Models from Long-Term Team Data*
Yanxia Zhang, Jeffrey Olenick, Chu-Hsiang Chang, Steve Kozlowski, Hayley Hung

Session 5A: UIs for Wearable, Mobile and Ubiquitous Computing (14:00 - 16:00, 2F Mid-size room 3-4)

Chair: Antonio Krüger (DFKI)

- *(Short) Write-it-Yourself with the Aid of Smartwatches: A Wizard-of-Oz Experiment with Blind People*
Syed Masum Billah, Vikas Ashok, IV Ramakrishnan
- *(Short) Responsive News Summarization for Ubiquitous Consumption on Multiple Mobile Devices*
Rocio Chongtay, Mark Last, Bettina Berendt
- *(Long) Below the Surface: Unobtrusive Activity Recognition for Work Surfaces using RF-radar sensing*
Daniel Avrahami, Mitesh Patel, Yusuke Yamaura, Sven Kratz
- *(Long) Investigating Interactions for Text Recognition using a Vibrotactile Wearable Display*
Granit Luzhnica, Eduardo Veas
- *(Long) Can a Helmet-mounted Display Make Motorcycling Safer?*
Renate Haeuslschmid, Benjamin Fritzsche, Andreas Butz
- *(Long) A Model for Detecting and Locating Behaviour Changes in Mobile Touch Targeting Sequences*
Daniel Buschek
- *(Long) Ether-Toolbars: Evaluating Off-Screen Toolbars for Mobile Interaction*
Hanae Rateau, Yosra Rekik, Edward Lank, Laurent Grisoni

Session 5B: Intelligent Visualization and Smart Environments (14:00 - 16:00, 2F Mid-size room 1-2)

Chair: Giulio Jacucci (Helsinki Institute for Information Technology HIIT)

- *(Short) Organic Visualization of Document Evolution*
Ignacio Perez-Messina, Claudio Gutierrez, Eduardo Graells-Garrido
- *(Short) Coupling Story to Visualization: Using Textual Analysis as a Bridge Between Data and Interpretation*
Ronald Metoyer, Walter Scheirer, Qiyu Zhi, Bartosz Janczuk

- *(Long) CARDINAL: Computer Assisted Authoring of Movie Scripts*
Marcel Marti, Jodok Vieli, Wojciech Witon, Rushit Sanghrajka, Diana Wotruba, Isabel Simo, Sasha Schriber, Mubbasir Kapadia, Markus Gross
- *(Long) Interactive Storytelling for Movie Recommendation through Latent Semantic Analysis*
Kodzo Wegba, Aidong Lu, Yuemeng Li, Wencheng Wang
- *(Long) An Active Tangible User Interface Framework for Teaching and Learning Artificial Intelligence*
Clifford De Raffaele, Serengul Smith, Orhan Gemikonakli
- *(Long) Familiarisation: Restructuring Layouts with Visual Learning Models*
Kashyap Todi, Jussi Jokinen, Kris Luyten, Antti Oulasvirta
- *(TiiS) Active Learning and Visual Analytics for Stance Classification with ALVA*
Kostiantyn Kucher, Carita Paradis, Magnus Sahlgren, Andreas Kerren

Student Consortium (March 9th, 16:30 – 18:00)**Session SC-1: Intelligent Health Care (16:30 - 18:00, 2F Mid-size room 3-4)**

- *A Technology for Computer-Assisted Stroke Rehabilitation*
Min Hun Lee
- *Analysis of Interaction Design and Evaluation Methods in Full-Body Interaction for Special Needs*
Ciera Crowell
- *Automatic Recognition of Hygiene Activities and Personalized Interventions for Chronic Care*
Josh Cherian
- *An Intelligent Tutoring System for Situated Decision Making in Dental Surgery*
Narumol Vannapraphip

Session SC-2: Interaction and Behavior (16:30 - 18:00, 2F Mid-size room 2)

- *Machine Learning Behavioral Recognition to Support Neuropsychological Diagnosis of Cognitive Decline*
Raniero Lara-Garduno
- *Leveraging User Input and Feedback for Interactive Sound Event Detection and Annotation*
Bongjun Kim
- *Facilitating self-learning in behavior change through long-term intelligent conversational assistance*
Rafal Kocielnik, Gary Hsieh

Session SC-3: Modeling (16:30 - 18:00, 2F Mid-size room 1)

- *Suggestion Models in Geographical Exploratory Search*
Noemi Mauro
- *User Preference Modeling and Exploitation in IoT Scenarios*
David Massimo
- *Eye Tracking- Single Technology to Handle Multiple Domains*
Adil Hamid Malla, Tracy Hammond

Saturday, March 10th

Conference day 3

Session 6A: UIs for Complex Tasks (11:30 - 13:15, 2F Mid-size room 3-4)

Chair: Alison Smith (University of Maryland)

- *(TiiS) Effects of Speed, Cyclicity, and Dimensionality on Distancing, Time, and Preference in Human-Aerial Vehicle Interactions*
Brittany A. Duncan, Robin R. Murphy
- *(Long) Two Tools are Better Than One: Tool Diversity as a Means of Improving Aggregate Crowd Performance*
Jean Y. Song, Raymond Fok, Alan Lundgard, Fan Yang, Juho Kim, Walter S. Lasecki
- *(Long) Visualizing Gaze Direction to Support Video Coding of Social Attention for Children with Autism Spectrum Disorder*
Keita Higuchi, Soichiro Matsuda, Rie Kamikubo, Takuya Enomoto, Yusuke Sugano, Junichi Yamamoto, Yoichi Sato
- *(Long) Quester: A Speech-Based Question Answering Support System for Oral Presentations*
Reza Asadi, Ha Trinh, Harriet J. Fell, Timothy Bickmore
- *(Short) EASEL: Easy Automatic Segmentation Event Labeler*
Isaac Decheng Wang, Pradyumna Narayana, Jesse Smith, Bruce Draper, Ross Beveridge, Jaime Ruiz
- *(Short) An Evaluation of Inclusive Dialogue-Based Interfaces for the Takeover of Control in Autonomous Cars*
Ioannis Politis, Patrick Langdon, Damilola Adebayo, Mike Bradley, P. John Clarkson, James W. H. Brown, Alexander Eriksson, Kirsten Revell, Neville Stanton, Lee Skrypchuk, Alexander Mouzakitis

Session 6B: Social Media and Recommenders (11:30 - 13:15, 2F Mid-size room 1-2)

Chair: Takayuki Itoh (Ochanomizu University)

- *(Long) Visualizing Reviews Summaries as a Tool for Restaurants Recommendation*
Yaakov Danone, Tsvi Kuflik, Osnat Mokryn
- *(Long) Citicafe: An Interactive Interface for Citizen Engagement*
Shubham Atreja, Pooja Aggarwal, Prateeti Mohapatra, Amol Dumrewal, Anwesh Basu, Gargi B. Dasgupta
- *(Long) Personal Recommendations for Raising Social Eminence in an Enterprise*
Shiri Kremer-Davidson, Inbal Ronen, Lior Leiba, Avi Kaplan, Maya Barnea

- *(Long) TSCSet: A Crowdsourced Time-Sync Comment Dataset for Exploration of User Experience Improvement*
Zhenyu Liao, Yikun Xian, Xiao Yang, Qinpei Zhao, Chenxi Zhang, Jiangfeng Li
- *(Short) Can We Predict the Scenic Beauty of Locations from Geo-tagged Flickr Images?*
Ch. Md. Rakin Haider, Mohammed Eunus Ali
- *(Short) Explaining Recommendations Using Contexts*
Masahiro Sato, Budrul Ahsan, Koki Nagatani, Takashi Sonoda, Qian Zhang, Tomoko Ohkuma

Demo Session (14:30 - 16:45, 2F Mid-size room 1-4)

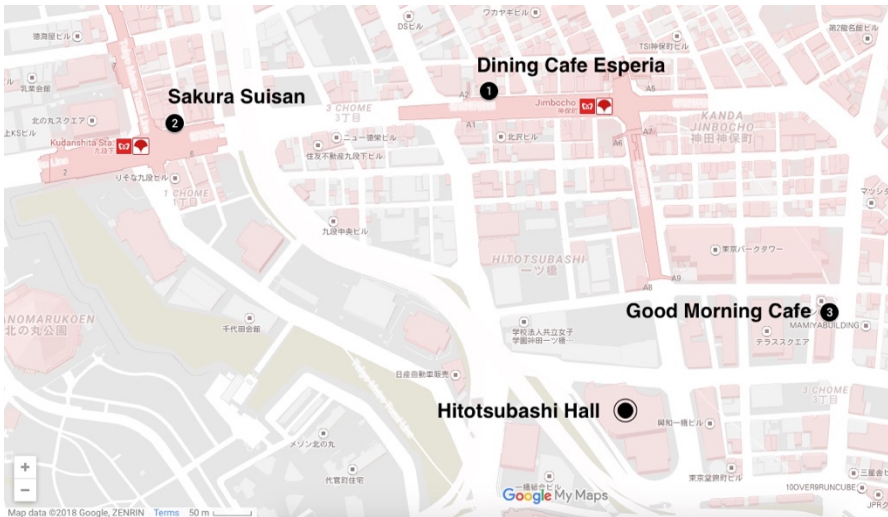
- *Automatic Tweet Detection based on Data Specified through News Production*
Jun Goto
- *Gesture-based Mobile Communication System Providing Side-by-side Shopping Feeling*
Minghao Cai, Soh Masuko, Jiro Tanaka
- *Computer Vision Based and FPRank Based Tag Recommendation for Social Popularity Enhancement*
Yiwei Zhang, Jiani Hu, Shunmpei Sano, Toshihiko Yamasaki, Kiyoharu Aizawa
- *Support System to Review Manufacturing Workshop*
Nakae Kazuya, Koji Tsukada
- *CardBot: A Chatbot for Business Card Management*
Meng-Chieh Ko, Zih-Hong Lin
- *Cylindrical M-sequence Markers and its Application to AR Fitting System for Kimono Obi*
Mizuki Okuyama, Yasushi Matoba, Itiro Siio
- *Search Interface for Deep Thinking*
Goro Otsubo
- *User Behaviour Analysis in a Simulated IoT Augmented Space*
David Massimo, Elena Not, Francesco Ricci
- *Implementation of an Interactive System for the Translation of Lyrics*
Ayano Nishimura, Takayuki Itoh
- *VisPod: Content-Based Audio Visual Navigation*
Qiyu Zhi, Suwen Lin, Shuai He, Ronald Metoyer, Nitesh V Chawla
- *MindScribe: Toward Intelligent Interactions in Highly Variable Early Childhood Environments*
Layne Hubbard, Boskin Erkocevic, Dylan Cassady, Chen Hao Cheng, Andrea Chamorro
- *Interactive Online Shopping with Personalized Robot Agent*
Xuan Wang, Chunmeng Lu, Soh Masuko, Jiro Tanaka

- *Development of a Tsunami Evacuation Behavior Simulation System with Massive Evacuation Agents*
Yasuo Kawai, Yurie Kaizu, Kenta Kawahara, Youhei Obuchi, Satoshi Otsuka, Shiori Tomimatsu
- *Development of a Horror Game that Route Branches by the Player's Pulse Rate*
Hayato Araki, Tachi Ikeda, Takumi Ozawa, Kenta Kawahara, Yasuo Kawai
- *Detecting Utterance Scenes of a Specific Person*
Kunihiko Sato, Jun Rekimoto
- *Exploring the Universe of Egregious Conversations in Chatbots*
michal shmueli scheuer, Tommy Sandbank, David Konopnicki, Ora Peled-Nakash
- *Ether-Toolbars: Evaluating Off-Screen Toolbars for Mobile Interaction*
Hanae Rateau, Yosra Rekik, Edward Lank, Laurent Grisoni
- *Augmented-Genomics: Protecting Privacy for Clinical Genomics with Inferential Interfaces*
Eran Toch, Netta Rager, Tal Florentin, Dan Linenberg, Daya Sellman, Noam Shomron
- *Medical 3D Images in Multimodal Virtual Reality*
Alexander Prange, Daniel Sonntag
- *(author)rise: Artificial Intelligence Output Via the Human Body*
Harshit Agrawal
- *Automated Assistance for Creative Writing with an RNN Language Model*
Melissa Roemmele, Andrew Gordon
- *Frame of Mind: Using Storytelling for Speech-Based Clustering of Family Pictures*
Benett Axtell, Cosmin Munteanu
- *Olfactory and Visual Presentation Using Olfactory Display Using SAW Atomizer and Solenoid Valves*
Shiori Itou, Masaaki ISEKI, Shingo Kato, Takamichi Nakamoto
- *VocabChecker: Measuring Language Abilities for Detecting Early Stage Dementia*
Daisaku Shibata, Shoko Wakamiya, Kaoru Ito, Mai Miyabe, Ayae Kinoshita, Eiji Aramaki
- *Visual Analytics of Organizational Performance Network*
Gopakumar Gopalakrishnan, Madhusudhan Mahabaleshwar, Anjaneyulu Pasala
- *Language Density Driven Route Navigation System for Pedestrians based on Twitter Data*
Yuan Yuan Wang, Yihong Zhang, Panote Siriaraya, Yukiko Kawai, Adam Jatowt
- *Fluffy: Recyclable and Edible Rapid Prototyping using Fluffed Sugar*
Natsuki Hamanishi, Michinari Kono, Takashi Miyaki, Jun Rekimoto
- *Fluid UI for HIGH-dimensional Analysis of Social Networks*
Riku Takano, Ken Wakita
- *SHARKZOR: Human in the Loop ML for User-Defined Image Classification*
Meg Pirrung, Nathan Hilliard, Nancy O'Brien, Artem Yankov, Court Corley, Nathan Hodas

SOCIAL PROGRAM

Welcome Reception (17:30 – 20:00, March 7th)

Drinks and foods will be provided to the IUI 2018 participants at the different restaurants. The participants are welcome to enjoy any of the following three restaurants.



- ① **Dining Cafe Esperia**
(Western traditional style)
Distance: 7 minute walk
Menu: Dining bar, Western, Craft beer



Source:
<https://tabelog.com/tokyo/A1310/A131003/13031623/>

- ② **Sakura Suisan**
(Japanese izakaya style)
Distance: 10 minute walk
Menu: Sashimi, Seafood, Japanese sake



Source:
<https://tabelog.com/tokyo/A1309/A130906/13017128/>

- ③ **Good Morning Cafe**
(Standing bar style)
Distance: 5 minute walk
Menu: Dining bar, Italian, Wine



Source:
<https://tabelog.com/tokyo/A1310/A131003/13166088/>

Conference Dinner (19:15 – 22:00, March 9th)



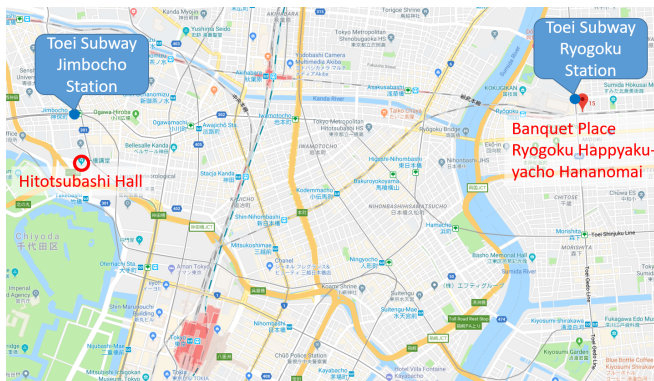
Ryogoku Happykuyacho Hananomai Edo Tokyo Museum Front Branch

- <http://www.chimney.co.jp/event/ooedo808/ec/index.html>
- Address: 1-1-15 Kamezawa, Sumida-ku, Tokyo, Japan
- TEL: +81-3-5619-4488

The banquet of IUI 2018 will take place on March 9th at Ryogoku Happykuyacho Hananomai, Edo Tokyo Museum Branch. It is a unique izakaya (Japanese pub) decorated with Edo taste and Sumo sceneries. While eating, you can also enjoy Sumo wrestling exhibition played on the real sumo ring.

Shuttle Bus

We highly encourage the participants to take a shuttle bus that departs from the conference venue. Shuttle buses will leave at 18:15 in front of the building of Hitotsubashi Hall.

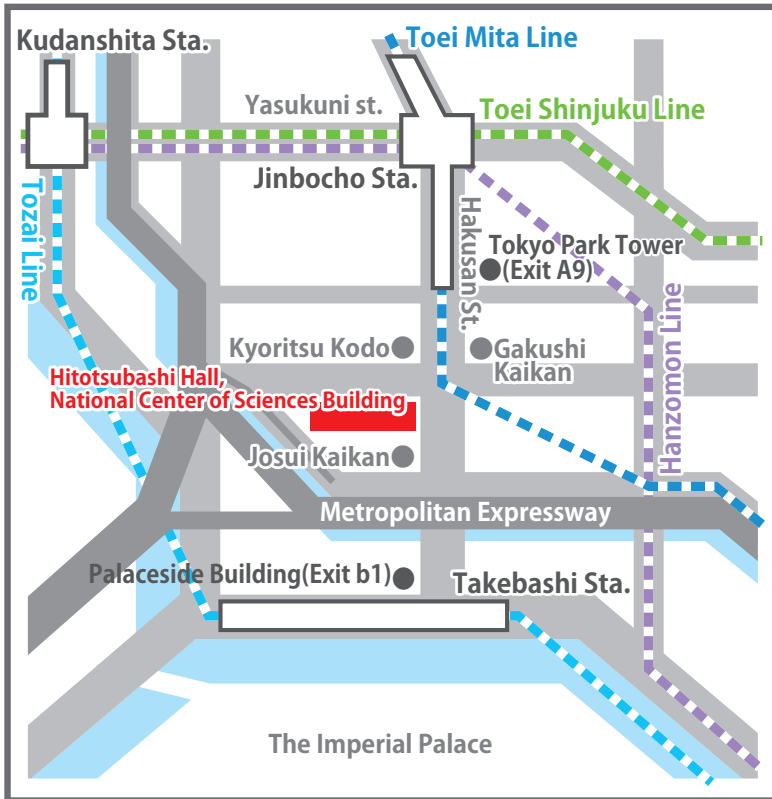


LOCAL INFORMATION

Venue: Hitotsubashi Hall (National Center of Sciences Building)

Address

National Center of Sciences Building 2F, 2-1-2, Hitotsubashi, Chiyoda-ku, Tokyo 101-8439



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