

KHALIL KLOUCHE, M.A.

+41 78 753 24 35
klouche@gmail.com

Rue du Village-Suisse 12
1205 Geneva, Switzerland

klouche.com

PROFILE

An interaction designer and a doctoral researcher in human-computer interaction (HCI). My research focuses on the design, development and evaluation of user interfaces for fluid information exploration. My background includes design and prototyping of playful systems, interactive installations, as well as graphic design and typography.

EDUCATION

Aalto School of Arts, Design and Architecture, Media Department, Helsinki

PhD student, Human-Computer Interaction. Supervisor: Prof. Lily Diaz-Kommonen. Since 2014. [Thesis submitted and awaiting pre-examination.]

University of Applied Sciences of Western Switzerland [HES-SO], Geneva

Master of Arts in Design, Media Design, 2013.

Geneva University of Arts and Design [HEAD-Genève]

Bachelor of Arts in Design, Visual Communication, 2006.

WORK EXPERIENCE

2014-2019

Doctoral Researcher, University of Helsinki

Human-Computer Interaction at Helsinki Institute for Information Technology HIIT, Ubiquitous Interaction group. Supervisor: Prof. Giulio Jacucci.

2014-2018

Designer, Etsimo LTD, Helsinki

R&D on user interfaces for search and information discovery. UX/UI Design and implementation of demonstration systems.

2013-2014

Teacher, CPNV Professional school, Yverdon-les-Bains

Weekly lectures with assignments and evaluation, on photo, video and typography to five classes (75+ students).

2012-2013

Sales Associate, Apple, Geneva

Trainer on workshops and One to One sessions for customers on Apple devices. Technical support on devices.

2010-2012

Interaction Designer, Freelance

Interactive installations for

public exhibitions and stage engineering for choreographer Cindy Van Acker.

2010-2012

Research Assistant, Geneva University of Art and Design

User interface development. Supervisor: Jérôme Baratelli

2008-2010

Graphic Designer, Freelance

Responsible for the whole visual communication needs of OSR, Symphonic Orchestra of Western Switzerland. Editorial design for local/national publishing houses.

ACADEMIC TEACHING AND STUDENT SUPERVISION

Master Thesis supervision [ongoing with two students]

Department of Computer Science, University of Helsinki. Evaluation of Search Systems Supporting Information Exploration. Since 2018.

Topics in Visualization and Cultural Analytics [course]

Introduction to graph visualization theory and practice, Aalto University, Media Department, post-graduate level, 23.01.2018-09.02.2018.

Lectures and tutorials on interactive information visualization

and hardware prototyping. University of Helsinki, Computer Science department, post-graduate level, 2015-2016.

Lectures on design of user interfaces

University of Helsinki, Computer Science department, graduate level, 2014-2015.

Project tutoring in interactive technologies

Advanced pen inputs. University of Helsinki, Computer Science department, graduate level, 2014.

ORGANIZATIONAL EXPERIENCE

Conf. on Human Factors in Computing Systems [CHI '16]
Associate chair for Late Breaking Work, San Jose, 2016.

3rd International Workshop on Symbiotic Interaction
Organization chair, Helsinki, 2014.

GRANTS

Nokia Research Scholarship
Helsinki, December 2017.

PUBLICATIONS

Designing for Exploratory Search on Touch Devices

Khalil Klouche, Tuukka Ruotsalo, Diogo Cabral, Salvatore Andolina, Andrea Bellucci and Giulio Jacucci. 2015. In *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems [CHI '15]*. ACM, New York, 4189-4198.
[doi: 10.1145/2702123.2702489](https://doi.org/10.1145/2702123.2702489)

From Hyperlinks to Hypercues: Entity-Based Affordances for Fluid Information Exploration

Khalil Klouche, Tuukka Ruotsalo, and Giulio Jacucci. 2018. In *Proceedings of the 2018 Conference on Designing Interactive Systems [DIS '18]*. ACM, NY, 1141-1152.
[doi: 10.1145/3196709.3196775](https://doi.org/10.1145/3196709.3196775)

QueryTogether: Enabling Entity-Centric Exploration in Multi-Device Collaborative Search

Salvatore Andolina, Khalil Klouche, Tuukka Ruotsalo, Patrik Floréen, Giulio Jacucci. 2018. In *Information Processing & Management*.
[doi: 10.1016/j.ipm.2018.04.005](https://doi.org/10.1016/j.ipm.2018.04.005)

Investigating Proactive Search Support in Conversations

Salvatore Andolina, Valeria Orso, Hendrik Schneider, Khalil Klouche, Tuukka Ruotsalo, Luciano Gamberini and Giulio Jacucci. 2018. In *Proceedings of the 2018 Conference on Designing Interactive Systems [DIS '18]*. ACM, NY, 1295-1307.
[doi: 10.1145/3196709.3196734](https://doi.org/10.1145/3196709.3196734)

SearchBot: Supporting Voice Conversations with Proactive Search

Salvatore Andolina, Valeria Orso, Hendrik Schneider, Khalil Klouche, Tuukka Ruotsalo, Luciano Gamberini and Giulio Jacucci. 2018. In *Proceedings of the 2018 Conference on Computer Supported Cooperative Work and Social Computing [CSCW '18]*. ACM, NY, 1295-1307.
[doi: 10.1145/3196709.3196734](https://doi.org/10.1145/3196709.3196734)

Visual Re-Ranking for Multi-Aspect Information Retrieval

Khalil Klouche, Tuukka Ruotsalo, Luana Micallef, Salvatore Andolina and Giulio Jacucci. 2017. In *Proceedings of the 2017 Conference Human Information Interaction and Retrieval [CHIIR '17]*. ACM, New York, 57-66.
[doi: 10.1145/3020165.3020174](https://doi.org/10.1145/3020165.3020174)

Gaze-Adaptive Above and On-Surface Interaction

Baris Serim, Khalil Klouche and Giulio Jacucci. 2017. In *Proceedings of the 2017 Conference on Designing Interactive Systems [DIS '17]*. ACM, New York, 115-127.
[doi: 10.1145/3064663.3064744](https://doi.org/10.1145/3064663.3064744)

IntentStreams: Smart Parallel Search Streams for Branching Exploratory Search

Salvatore Andolina, Khalil Klouche, Jaakko Peltonen, Mohammad Hoque, Tuukka Ruotsalo, Diogo Cabral, Arto Klami, Dorota Głowacka, Patrik Floréen and Giulio Jacucci. 2015. In *Proceedings of the 20th International Conference on Intelligent User Interfaces [IUI '15]*. ACM, New York, 300-305.
[doi: 10.1145/2678025.2701401](https://doi.org/10.1145/2678025.2701401)

InspirationWall: Supporting Idea Generation Through Automatic Information Exploration

Salvatore Andolina, Khalil Klouche, Diogo Cabral, Tuukka Ruotsalo and Giulio Jacucci. 2015. In *Proceedings of the 2015 ACM SIGCHI Conference on Creativity and Cognition [C&C '15]*. ACM, New York, 103-106.
[doi: 10.1145/2757226.2757252](https://doi.org/10.1145/2757226.2757252)

Crowdboard: Augmenting In-Person Idea Generation with Real-Time Crowds

Salvatore Andolina, Hendrik Schneider, Joel Chan, Khalil Klouche, Giulio Jacucci, Steven Dow. 2017. In *Proceedings of the 2017 ACM SIGCHI Conference on Creativity and Cognition [C&C '17]*. ACM, New York, 106-118.
[doi: 10.1145/3059454.3059477](https://doi.org/10.1145/3059454.3059477)

Flexible Entity Search on Surfaces

Tuukka Ruotsalo, Khalil Klouche, Diogo Cabral, Salvatore Andolina and Giulio Jacucci. 2016. In *Proceedings of the 15th International Conference on Mobile and Ubiquitous Multimedia [MUM '16]*. ACM, New York, 175-179.
[doi: 10.1145/3012709.3012732](https://doi.org/10.1145/3012709.3012732)

Interaction Techniques for Wall-Sized Screens [Workshop]

Lars Lischke, Jürgen Grüninger, Khalil Klouche, Albrecht Schmidt, Philipp Slusallek and Giulio Jacucci. 2015. In *Proceedings of the 2015 International Conference on Interactive Tabletops & Surfaces [ITS '15]*. ACM, New York, 501-504.
[doi: 10.1145/2817721.2835071](https://doi.org/10.1145/2817721.2835071)

PATENTS

Information Retrieval Control
Khalil Klouche, Tuukka Ruotsalo, Luana Micallef, Salvatore Andolina, Giulio Jacucci. University of Helsinki, Aalto University Foundation. 2017.
WIPO Patent No. W02017158243.

Exploratory Search Method
Khalil Klouche, Tuukka Ruotsalo, Giulio Jacucci, Salvatore Andolina. University of Helsinki, Aalto University Foundation. 2016.
WIPO Patent No. W02016156655.
European Patent No. EP3274866.

TALKS AND PRESENTATIONS

Explorable Information Spaces
Helsinki Media Lab Seminar, Aalto School of Arts, Design and Architecture, 2019.

From Hyperlinks to Hypercues
Conference on Designing Interactive Systems (DIS'18), Hong-Kong, 2018.

Entity-Based Affordances for Fluid Information Practices
Helsinki Media Lab Seminar, Aalto School of Arts, Design and Architecture, 2017.

Entity-Based Affordances for Fluid Information Exploration
HCI Helsinki Seminar, Aalto University, 2017.

Visual Re-Ranking for Multi-Aspect Information Retrieval
Conference on Human Information Interaction and Retrieval (CHIIR'17), Oslo, 2017.

Flexible Entity Search on Surfaces
Conference on Mobile and Ubiquitous Multimedia (MUM'16). Rovaniemi, 2016.

Designing for Fluid Information Discovery
Design Department Winter School, Aalto, Helsinki, 2016.

Relevance Mapping and Re-Ranking
HCI Helsinki Seminar, Aalto University, 2016.

Designing for Exploratory Search on Touch Devices
Conference on Human Factors in Computing Systems (CHI'15), Seoul, 2015.

Interactive Mapping of the Information Space
HCI Helsinki Seminar, Aalto University, 2015.

Designing Interfaces for Information Exploration
Helsinki Media Lab Seminar, Aalto School of Arts, Design and Architecture, 2015.

Sensemaking in HCI: A State of the Art
Helsinki Institute for Information Technology HIIT, Frameworks Workshop, 2015

FEATURED DESIGN WORK

Zaoum. Stage Design/Install.
Monumental animated ceiling for a dance show in Geneva, 2013. With Victor Roy. Choreographer: Cindy Van Acker. Engineering and software development.

Drift. Stage Design/Install.
Skycam-like installation for a dance show in Geneva, 2013. With Victor Roy. Choreographer: Cindy Van Acker. Engineering and software development.

Knock-Knock. Installation.
Featured on [selection]: [Creative Applications](#), [gizmodo.com](#), [FastCompany](#), [Rolling-Stone Russia](#), [It's Nice That](#), [Design Boom](#), [prote.in](#), and Nouvo, RTS, 2013.
Seen at:
Lift conference, Geneva, 2013.
Exhibition Touch!, MUDAC, Lausanne, 2012.

Laser Cabinet: A Chalet Arcade. Installation.
Seen at:
Horizon, MoCA Los Angeles, 2013.
UCLA Game Festival, Los Angeles, 2013.
Game Gazer exhibition, Swissnex, San Francisco, 2013.

LANGUAGES

French: Mother tongue

English: Fluent
[Collaborating and publishing in English since 2014]