



Call for Papers

IUI 2016 Workshop on Emotion and Visualization — EmoVis

Half day workshop at ACM IUI 2016

Interaction plays a fundamental role in visualization and visual analytics. However, the emotional states of users are rarely taken into account when developing interaction techniques and/or the visual representations themselves. In many application scenarios, it would be beneficial if emotional measurements could be visualized in order to raise user awareness of their own and others' emotional states as well as how these emotions influence their reasoning and decision making. Additionally, with the help of emotional data, certain visualization systems should be able to adapt to the users' mental models, cognitive processes and emotional states in terms of interaction and visual representation in order to support the analysis and exploration process.

EmoVis 2016 will act as a forum where people with diverse backgrounds can present design principles and introduce novel techniques for affect measurement and visualization. Accepted workshop papers will be published in a joint CEUR proceedings. Submissions may be full research papers (maximal 8 pages in SIGCHI format) or shorter papers (maximal 4 pages in SIGCHI format) which may describe position statements, novel ideas, work-in-progresses, or recent results related to the topics of emotion and visualization. The authors should clearly indicate the submission type at the end of the abstract in order to help reviewers better understand their contributions. More information on *how to submit* a paper can be found here:

<http://cs.lnu.se/emovis2016/>

We invite submissions that explore user emotional states in context of interactive visualization. Topics for submissions include but are not limited to the following areas:

- emotion measurement devices and technologies, such as BCIs or smart wristbands
- emotion detection algorithms, e.g., based on user physiology, user language/intonation or written text
- emotion visualization for individuals, groups or crowds
- emotion visualization for supporting social interaction
- capturing or generating engagement at large-scale events
- awareness of emotions in collaboration or analysis tasks
- emotion-adaptive visualizations capable of determining and reacting to user emotional states
- user studies and evaluation techniques for emotion visualization and emotion-adaptive visualizations

EmoVis 2016 Co-Chairs:

- Andreas Kerren (Linnaeus University, Sweden)
- Daniel Cernea (AGT International, Germany)
- Margit Pohl (Technical University of Vienna, Austria)

Important Dates:

- Paper submission deadline: **January 7, 2016 (extended)**
- Author notification: January 22, 2016
- Camera-ready paper deadline: February 5, 2016

