

Fifth International Workshop on Affective Computing in Requirements Engineering

A workshop in conjunction with [RE'23](#) on September 5, 2023 in Hannover, Germany.

Overview — Affective computing spans a broad research field from the recognition to the expression of emotions, which is of interest for software systems as they are designed and used by humans. From requirements elicitation to negotiation, from modelling to prioritization, and from software design to implementation, different emotions by end users and other stakeholders arise, which should be considered in the RE process. Therefore, understanding and utilizing affects, emotions, attitudes, moods, and personality traits plays a crucial role in various facets, reaching from the requirements elicitation and the enhancement of performance of individual professionals and teams during RE activities to the utilization of end user affects and emotions to validate requirements.

Goal — The AffectRE workshop aims at creating an international, sustainable community where researchers and practitioners can meet, present, and discuss their current work to affect the RE community with ideas from affective computing. In its fifth edition, this workshop fosters high quality contributions on empirical studies, theoretical models, methods, and tools that raise emotion awareness in RE.

Topics of Interest include, but are not limited to:

- Methods and artifacts for elicitation and modelling of emotional requirements, including the relevant approaches of participatory design (co-design).
- Ethnographic approaches for the elicitation of emotional requirements.
- Studying and leveraging the relationship between emotional requirements and human values in RE and software design.
- Studying the emotions created by AI and experienced by people within sociotechnical systems.
- Impact of affects, emotions, moods, attitudes, personality traits on individual and group performance, commitment, and collaboration in RE.
- Leveraging affective feedback by stakeholders to improve requirements, tools, and processes by means of sentiment analysis and machine learning.
- Exploration of biometric sensors emerging from new (consumer) hardware which enable new measurement techniques to support the elicitation, prioritisation, and validation of functional, non-functional (quality), and emotional requirements.
- Interaction between RE and other software lifecycle activities, such as testing, from the emotional perspective.
- Design, development, and evaluation of frameworks and tools to support emotion awareness in RE.
- Adapting psychological models of emotions and affects to RE.
- Affective state detection from the multi-modal analysis of spontaneous communicative behaviour, such as natural language, body postures and gestures, and speech.
- Sensing from social media, and methods and tools for extracting and summarizing affects and emotions from social networking services and app stores.
- Interplay between affect and exogenous or endogenous workplace factors.
- Emotion awareness in cross-cultural stakeholder teams.
- Mutual emotion awareness: how emotions can be co-constructed through dyadic or multiparty interactions in teams.
- Software frameworks, APIs, and patterns for designing and maintaining emotion aware systems.

Important Dates

All deadlines are 23:59 AoE.
Paper Submission: June 9, 2023
Author Notification: July 7, 2023
Camera Ready Submission: July 14, 2023
Workshop Day: September 5, 2023

Submission Types

- Full research papers (up to 6 pages)
- Short position papers (up to 4 pages)
- Extended abstracts (up to 2 pages)

Submission Link

Please submit via [EasyChair](#)

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