==
EnviRE'23 – 3rd IEEE International Workshop on Environment-Driven Requirements
Engineering, September 4 or 5, 2023 – in person (Hannover, Germany) in conjunction
with RE 2023. Visit the website: https://homepages.uc.edu/~niunn/EnviRE/EnviRE2023.html
New this year: ChatGPT for requirements elicitation and modeling
==

Modeling the environment will be more and more important in RE when the systems will situate in the open world and with the human in the loop. For example, IoT-enabled systems, cyber-physical systems, AI-based systems, etc. are expected to be able to perceive the changes of an open and dynamic environment, respond to changes through architectural transformations, and exhibit context-aware, adaptive, and trustworthy behaviors. Specifically for the AI-based systems, the components built by machine learning in fact are black boxes. Their functions can only be represented by the effects imposed on their operational and interacting environment. These effects can in turn define the tasks of model training, validation, testing, deployment, and operation. When mapping the requirements into the environment properties or assertions, the benefits include natural decomposition and structuring of the problem. The "Environment-Driven Requirements Engineering" workshop thus solicits position, short, and full papers to provoke the discussions about:

- How to automatically identify environment assumptions, assertions, and properties?
- What representations are amenable to environment modeling for engineering AI-based systems?
- How can environment phenomena influence system testing, verification, validation, and evolution?
- How to handle the uncertainty and incompleteness of environment phenomena and assertions?
- What role do problem analysis and structuring techniques, such as Problem Frames and *i**, play in engineering smart and connected systems?

Other emerging topics are encouraged and welcomed. We expect each position or short paper to be up to 4 pages long, whereas a long paper to be up to 8 pages long. Papers must be submitted to https://easychair.org/conferences/?conf=envire2023

Important Dates (All deadlines are 23:59 AoE (Standard Time)):
* June 9, 2023:   Paper submission
* July 7, 2023:   Author notification
* July 14, 2023:   Camera-ready submission
 We are looking forward to your submissions and an exciting workshop in Hannover!

Workshop Co-Organizer
Zhi Jin, zhijin@pku.edu.cn
Nan Niu, nan.niu@uc.edu
Yijun Yu, yijun.yu@open.ac.uk