Speaker: Kokichi Futatsugi

Title: Constructing proof scores in CafeOBJ

Abstract: Critical flaws continue to exist at the level of domain, requirement, and/or design specification, and specification verification (i.e., to check whether a specification has desirable properties) is still one of the most important challenges in software/system engineering. CafeOBJ is an executable algebraic specification language system and domain/requirement/design engineers can write proof scores for improving quality of specifications by the specification verification. This talk explains a generic procedure for constructing proof scores in CafeOBJ based on the appendix A of the extended version of the following paper.

Relevant paper: Kokichi Futatsugi, *Advances of proof scores in CafeOBJ*, Science of Computer Programming, Vol. 224, 2022.

The extended version, which includes Appendix A mentioned above, can be downloaded from `http://arxiv.org/abs/2112.10373v3`.