

# Technology of Deduction for “Systems that Explain Themselves”

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## **Abstract**

This is an extended abstract for a position paper, which firstly reminds experts in the academic field of (Computer) Theorem Proving (TP) of the strengths in the technology they use and develop, and which secondly discusses adaptations and extensions of this technology in order to make it a basis of software for education in engineering mathematics. Findings from an academic R&D project, called ISAC, will serve for demonstration, how self-containedness of TP (in terms of deduction from first principles) can be exploited to envisage systems that explain themselves.