In the context of the CRC 901 we use certification techniques to assure that a single, untrusted service behaves as described by its service specification. The service provider analyses the service and provides a certificate which witnesses that the service behaves as described. A service user only needs to check the validity of the certificate which is mostly computationally more efficient.

So far certification techniques are developed per analysis. In this talk I take a step forward and present our configurable software certification technique which can be applied to any analysis specified in the Configurable Program Analysis framework. We proved that our technique is tamper-proof and relatively complete w.r.t. the analysis. Evaluation of our technique in the tool CPAchecker demonstrated that for certain Configurable Program Analyses our validation is indeed computationally more efficient than the analysis.