

HECTOR TRNG design approach and its demonstration

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Abstract: In this talk, we present a new TRNG design approach proposed in the framework of the HECTOR project - a 3-year research project, which received funding from European Union under grant agreement No644052 in 2015. After a short presentation of the HECTOR objectives, we present main modern TRNG design approaches in USA and in Europe. Next, we demonstrate on the HECTOR demonstrator, how the new TRNG design can be made to be compliant with requirements of the above mentioned approaches.