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**by Alexandra Radics**

**REF. N. 10\_18**

**Job Description:**

**Job title:** Several PhD positions in ENGINEERING

**Name of Organisation:** Centre for Wireless Communications (CWC) and Circuits and Systems Research group (CAS) – University of Oulu

**Country:** Finland

**City:** Oulu

**Main research fields:** Engineering

**Sub research fields:** Electrical Engineering, Electronic Engineering

**Application deadline:** 25/04/2018 23:00 – Europe/Athens

**Required Education:**

Master degree in related fields

**Language skills:**

**Required languages:** English

**Level:** Excellent

**Required research experiences:**

Strong fundamental knowledge on RF technologies and electronics including RF/mmW transceivers, semiconductor technologies and radio frequency integrated circuits (RFIC) and components up to mmW region

**Application details:**

**Topic:** Radio Frequency (RF)/mmW/THz Engineering

**Job description:** The research centre is for talented research-oriented persons who are interested in research in the field of Future RF and Wireless Communications. Especially in this call the research group is looking for persons who are interested in RF electronics and integrated circuits for 5G and beyond wireless systems. Specific research topic of this call is: mmW and THz integrated circuits design towards 6G combined with knowledge of

- mmW and THz circuit and electromagnetic simulation techniques including integrated circuits design at mmW frequencies and beyond
- RF/mmW electronic circuit fundamentals and prototyping
- RF transceivers for communications
- RF Measurements

**Job starting date:** Second or third quarter of 2018

**Duration of job:** 4 years

**Status:** Full-time

**Salary:** The salary of the PhD student will be set at levels 2–4 of the national salary scale for the teaching and research staff of Finnish universities (€2186 - €3022 gross).