










Potential 15 Early Stage Researcher (ESR) PhD positions in TESLA H2020-MSCA-ITN

TESLA Innovative Training Network (ITN), a consortium of 8 academic universities and 11 industrial partners, with an awarded budget 4 million Euro, will recruit 15 ESR fellows and create a vibrant, multidisciplinary training-through-research environment uniquely equipped to develop the *Advanced Technologies for future European Satellite Applications* in 15 PhD projects:

TESLA Fellow	Project title	ESR Host Organisation	Scientist-in-Charge
ESR1	Highly integrated compact lightweight switch matrix technology	Heriot Watt University, UK 	Prof. Jiasheng Hong J.Hong@hw.ac.uk
ESR2	New design techniques of space systems suitable for metallic additive manufacturing technologies in the context of the IoS	UNIVERSIDAD PUBLICA DE NAVARRA, Spain 	Prof. Miguel Laso mangel.gomez@unavarra.es
ESR3	Millimetre-wave components for high-power space applications	UNIVERSITAT POLITÈCNICA DE VALENCIA, Spain 	Prof. Vicente Boria vboria@dcom.upv.es
ESR4	Synthesis and design of reconfigurable topologies for high-power filters and multiplexers	CHRISTIAN- ALBRECHTS-UNIVERSITÄT ZU KIEL, Germany 	Prof. Michael Höft Michael.Hoefl@tf.uni-kiel.de
ESR5	Novel technologies for miniaturized passive components and sub-systems with tuning capabilities		
ESR6	Millimetre wave hardware for the next generation W band satellite communication systems	KUNGLIGA TEKNISKA HOEGSKOLAN, Sweden 	Prof. Joachim Oberhammer joachimo@kth.se
ESR7	Synthesis, design and fabrication of novel tunable components for satellite communication		
ESR8	Micromachined millimetre and submillimetre-wave filters for communication satellites and space-born remote sensing	TECHNISCHE UNIVERSITÄT GRAZ, Austria 	Prof. Wolfgang Bösch wbosch@tugraz.at
ESR9	3D micromachined micromechanics for low-loss, low-weight re-configurable satellites		
ERS10	Additive manufacturing of non-planar microwave passive components	UNIVERSITA DEGLI STUDI DI PERUGIA, Italy 	Prof. Cristiano Tomassoni cristiano.tomassoni@unipg.it
ESR11	Design of mm-wave passive components in semi-planar technology		
ESR12	High performance miniaturized component for aerospace applications	UNIVERSITE DE LIMOGES, France 	Prof. Nicolas Delhote nicolas.delhote@xlim.fr
ESR13	Use of additive manufacturing (AM) for microwave components for space applications up to terahertz frequencies		
ESR14	Advanced materials for high power components	UNIVERSITE DE LIMOGES, France 	Prof. Nicolas Delhote nicolas.delhote@xlim.fr
ESR15	Development of topology optimization tools for RF components		

Partner Organisations



Important eligibility rules for candidates: There are no restrictions on the nationality, but researchers must be early-stage researchers (ESR), i.e. at the time of recruitment, be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree.

Researchers must comply with the **mobility rule** - Researchers may not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately before the reference date: the recruitment. Compulsory national service and/or short stays such as holidays are not taken into account.

Salary: The successful candidates will receive an attractive salary in accordance with the MSCA regulations for Early Stage Researchers <http://ec.europa.eu/research/mariecurieactions>. The PhD funding is for 36 months.

Other: The expected start day is 1st July, 2019 or as mutually agreed upon by both parties.

General informal enquiries may be addressed to the Project Coordinator, Prof. Jiasheng Hong, at J.Hong@hw.ac.uk