

The research group Energy, Materials and Systems of the faculty of Science and Technology of the University of Twente is looking for talented and ambitious

PhD students and Post-Doctoral researchers

to join us in research on superconductivity and cryogenics

The research of EMS is application-oriented and focused on high-current superconductivity and on cryogenics. A large part of the R&D effort is on sustainable energy, with the ambition of developing technologies, materials and systems that play a key role in emerging energy chains. Superconducting solutions are for instance explored in wind turbines, material separation (for recycling technology) and future cryo-mechatronics. Apart from the cooling of superconducting magnets, cryogenics is relevant in life science, in food and medical applications and is also developed for low-vibration applications such as quantum technology and gravitational wave observatories.

EMS greatly benefits from its internationally recognized expertise and unique infrastructure and has an excellent track record in international projects that enable Big Science in organizations such as CERN, ESA and ITER.

We have positions open for new PhD students and Post-Doc researchers. If you hold an MSc in Applied Physics, Mechanical Engineering or equivalent, and want to join us in one of these positions, please send us your motivation and CV. When applying for a Post-Doc position, experience in superconductivity and/or cryogenics is recommended.

We look forward to receiving your application!

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