Materials Center Leoben (MCL) - with a staff of 180 highly specialized employees - supports numerous companies in the production sector developing high-performance materials, manufacturing processes and products. MCL designs specific computer-aided technologies in order to accelerate innovation processes in manufacturing companies as well as to support the digitalization of the value chain and products. MCL’s portfolio includes cooperative research and development projects with international and national partners from the production and research sectors as well as several consulting, laboratory and simulation services in materials science.

To strengthen our team, we are looking for someone with the following area of responsibility or requirement profile:

**Post-Doc Position**

**Environmentally friendly deposition of lead-free perovskite thin films for capacitor applications**

*Reference-n.: MCL_188*

**BaTiO$_3$-based thin films – high energy density capacitors – integrated energy supply devices**

*These topics inspire you or you are already familiar with them? Then you are right the person we are looking for!*

**What do we need?**

- PhD degree (master equivalent) preferably chemistry, materials science or physics
- Knowledge in aqueous or non-toxic Chemical Solution Deposition (CSD) of perovskite oxides
- Interest and experience in experimental characterization techniques for thin films (structural, chemical and electrical); experience with photolithography desired
- Scientific curiosity, team skills, self-initiative
- Good oral and written communication skills in English

**You will be working in an EU-funded team in strong cooperation with well-known scientific- and company partners!**

**Your tasks?**

- Development of environmentally friendly CSD processes
- Design and realisation of high-energy density thin films
- Contribute to realisation of integrated capacitor devices
- Cooperation with external partners (including industries)
- Dissemination of results in publications and conferences

**Our offer:**

A permanent employment, with start January 2021 and a (min.) gross monthly salary of € 3,200.00. Overpayment dependent on your professional qualification and experience possible.

Please send your complete application documents by post or email until 31.08.2020. We would be pleased to get to know you!

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