Variational model order reduction for predicting plastic events in disordered materials

We seek a **Ph.D. or Postdoc** candidate to work on a project within the DFG Priority Programme SPP 2256 "*Variational Methods for Predicting Complex Phenomena in Engineering Structures and Materials*". The candidate will be supervised by Prof. B. Stamm (Uni Stuttgart) in close collaboration with Dr. Franz Bamer (IAM, RWTH Aachen). The project deals with the development of reduced-order models for the prediction of plastic events in disordered 2D materials.

Your profile
- Excellent M.Sc. degree (or Ph.D. for postdoc applications) in applied mathematics, simulation science, or computational engineering science
- Strong Interest and skills in the design, analysis, and implementation of numerical methods
- Ideally: knowledge of modeling of materials at the atomistic scale with force fields and/or reduced order modeling

What we offer
- TV-L 13 75% position for at least 3 years (100% for postdocs)
- A vibrant international and interdisciplinary research group

Want more details? Scan me the QR code or click on this link.

Any Questions? Contact us:
benjamin.stamm@ians.uni-stuttgart.de

Got interested? Please submit a CV, motivation letter, transcript, and up to 3 email contacts for recommendation through the official process of Stuttgart University, available via the QR code above or this link.

The University of Stuttgart is committed to diversity, diversity of perspectives, and equal opportunity. Applications from people with a disability and their peers are especially welcome. Furthermore, we seek to increase the number of women in the chair. Applicants enhancing the diversity will be preferred if equally qualified.

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