

Prof. Dr.-Ing.
Timon Rabczuk

Fakultät Bauingenieurwesen

Institut für Strukturmechanik

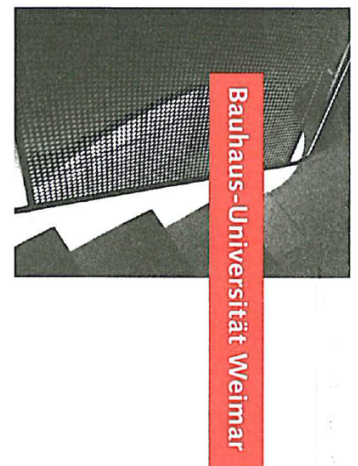
Reference Letter

To whom it may concern,

I am pleased to write this letter in support of Mr. Yizheng Yang. Mr. Yizheng Wang joined my computational mechanics group at the Institute of Structural Mechanics, Bauhaus University of Weimar, as a visiting PhD-student early 2024 for a 1 year visit. I met him beforehand several times in China where we started before our collaboration. Due to my close association with him for the past 1-1,5 years, I know him very well both technically and personally. Mr. Wang's major focus in his doctoral studies will be on AI for partial differential equations (AI4PDEs) with applications to challenging problems in engineering.

Mr. Yizheng Wang has an outstanding knowledge of continuum mechanics, modern numerical methods, machine learning approaches and their applications. He has the capability to implement new ideas extremely quickly and to prepare manuscripts on his work in a short time. His implementation skills are extraordinary and he knows many coding languages. Mr. Wang has developed several new computational methods like (Complementary) Deep Energy Methods based on different network architectures including techniques for operator learning and thoroughly verified and validated their capabilities. He is a very hard working student and his motivation is exceptional. He has implemented his methods from scratch, for many of his methods. We have published jointly one manuscript in Renewable Energy (IF=8,7) and currently several manuscripts are in review. Mr. Wang is an exceptionally productive researcher, comparable already to a post-doc. In summary, it is clear to me that he has the ability to do very original research work and is well suited for an assistant professor position.

Mr. Yang is very organized and has very good administrative and organizational capabilities. He quickly adjusted to the new environment in Weimar and is well integrated in my team where he already has proven some leadership qualities helping and advising other PhD students in my group. He can quickly adopt to coordinate and work with several people in parallel. He is a congenial and very friendly coworker and has excellent relations with his colleagues.



Juni 17, 2024

His commitment and the punctuality towards dead lines are commendable.

I strongly recommend him and for I am sure that he will make excellent contributions in the future

Best regards,



Timon Rabczuk

Chair of Computational Mechanics

Prof. Dr.-Ing.
Timon Rabczuk

Fakultät Bauingenieurwesen

Institut für Strukturmechanik

Marienstraße 15
D-99423 Weimar

Postanschrift:
D-99421 Weimar

Telefon:
+49 (0) 36 43/58 45 11

Telefax:
+49 (0) 36 43/58 45 14

E-Mail:
timon.rabczuk@uni-weimar.de