

Name: Dr. Awais Ahmed

Designation: Assistant Professor

Department: Civil Engineering

Specialization: Computational mechanics, Earthquake/structural Engineering

Email: awais.ahmed@uetpeshawar.edu.pk



Area of Interest: Computational mechanics, Advanced finite element methods, Fracture, Numerical modeling of damage in materials and structures, Impact analysis, earthquake engineering, FRP laminated composite structures

Office Hours: 8Am to 2PM (Monday to Friday)

Office Location: Civil Engineering department

Phone: 9216796-8 ext. (3079)

Publication:

Karamnejad, A. **Ahmed, A.** and Sluys, L.J. (2017), A numerical homogenization scheme for glass particle-toughened polymers under dynamics loading., J. Multiscale Modelling 08 (01), 1750001.

Ahmed, A. and Sluys, L.J. (2014), A phantom node formulation for modeling coupled adiabatic-isothermal cracking in FRP composites., Comp. Methods App. Mech. Eng. 278:291-313

Ahmed, A. Van der Meer, F.P. and Sluys, L.J. (2012), A geometrically nonlinear discontinuous solid-like shell element (DSLS) for thin shell structures. Comp. Methods App. Mech. Eng. 201:191-207

<https://scholar.google.com/citations?user=GJI4c6UAAAAJ&hl=nl>