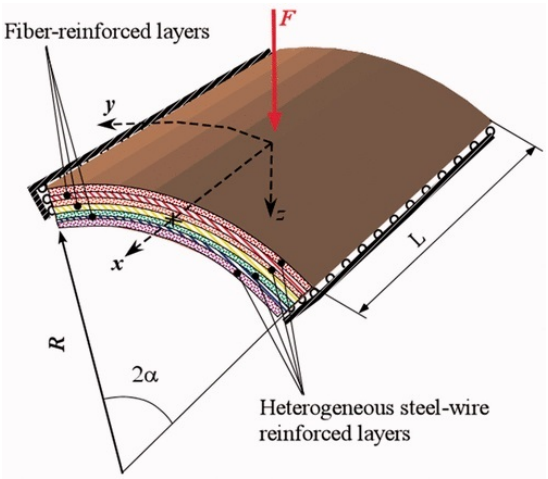

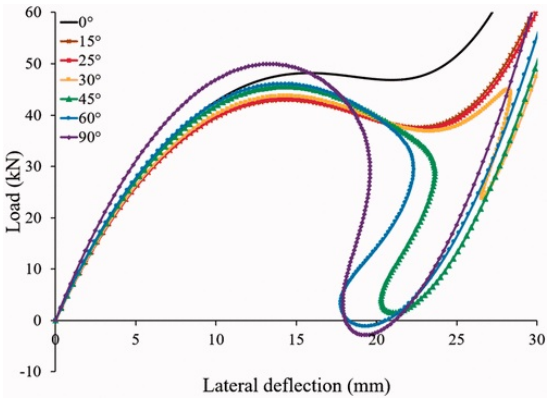

The images above are from: G. Soltanieh, M. Shariyat, M.Z. Kabir, "Influence of the 3D material tailoring on snap-through and snap-back post-buckling behaviors of steel-wire-reinforced hybrid 3D graded orthotropic shallow cylindrical panels", Proc Inst Mech Eng Part C J Mech Eng Sci (2018), 10.1177/0954406218760062.

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Education

- **Amirkabir University of Technology** Tehran, Iran
  PhD. *Structural Engineering* *Sep 2012- Feb 2018*
  -Selected as 1 st rank among input students
  -Thesis Title: The improvement in instability of FRP composite structures with embedded shape memory alloy wires under dynamic loading.
  Supervisor: Prof. Mohammad Zaman Kabir

- **Amirkabir University of Technology** Tehran, Iran
  M.Sc. *Structural Engineering* *Sep 2008- Feb 2011*
  -Selected as 3 rd rank among input students
  -Thesis Title: Plastic buckling of Stocky plates under shear and in-plane bending.
  Supervisor: Prof. Mohammad Mehdi Alinia

- **Amirkabir University of Technology** Tehran, Iran
  B.Sc. *Civil Engineering* *Sep 2004- Sep 2008*
  -Selected as an input superior students taking an exemption for national enterence exam

Work Experience

- **Postdoctoral Researcher** *Nov 2019 - Now*
  Hong Kong Polytechnic University, Builidng and Real State Department

- **Postdoctoral Researcher** *Dec 2018 - Nov 2019*
  Sabanci University, Integrated Manufacturing Technologies Research and Application Center
  -Project Title: Seismic performance of EDB systems with SMA connections. -Project Title: Optimization of buckling instability limit of the curvilinear-fibre plates respect to manufacturing constraints.

- **Lecturer and Teaching assistant**
  Amirkabir University, Civil and Environmental Engineering Department *2013-2014*
  -Static, Strength of Materials

- **Lecturer**
  Darolfonoon Institute of Higher Education
  Selected as a distinguished lecturer *2011-2014*

- **Supervisor and Advisor of MSc theses**
  1. Analysis of Dynamic Stability of Composite Pultrusion Columns under the Earthquake Load.
  2. Determination of Proper Place of Reinforcement to decrease axial bending in Composite Columns.
  3. Study of Static Instability of Curved Sheets of Pultruded Composite Materials including geometrical studies.
  4. Study of local and overall buckling of composite columns under the compression load.
  5. Analysis of dynamic stability of Pultruded composite columns under the wind load.
  6. Study of static instability of composite curved beams. *30/04/2018*
  7. Investigation of the local buckling of the beam with the sinusoidal corrugated web. *03/05/2017*
  8. Optimization of steel frames with Meta Heuristic algorithm and API interfaces. *02/09/2019*

- **Examining thesis**
  The comparison of the dynamic behaviour of the irregular structures having TL and TM damping systems.
  07/08/2018

Publications

Journal Papers

- M.M. Alinia, **Ghazaleh Soltanieh**, M. Amani, "Inelastic buckling behavior of stocky plates under interactive shear and in-plane bending" ***Thin-Walled Structure***, 2012, 55: 76-84.
- **Ghazaleh Soltanieh**, M. Z. Kabir, M. Shariyat, "A robust algorithm for behavior and effectiveness investigations of super-elastic SMA wires embedded in composite plates under impulse loading" ***Composite Structures***, 2017,179:355-367.
- **Ghazaleh Soltanieh**, M. Z. Kabir, M. Shariyat, "Snap instability of shallow laminated cylindrical shells reinforced with functionally graded shape memory alloy wires" ***Composite Structures***, 2017,180:581-95.
- **Ghazaleh Soltanieh**, M. Z. Kabir, M. Shariyat, "Influence of the 3D material tailoring on snap-through and snap-back post-buckling behaviors of steel-wire-reinforced hybrid 3D graded orthotropic shallow cylindrical panels" ***Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science***, 2019.
- **Ghazaleh Soltanieh**, M. Z. Kabir, M. Shariyat, "Improvement of the dynamic instability of shallow hybrid composite cylindrical shells under impulse loads using shape memory alloy wires" ***Composite Part B***, 2019; 167:167–79.

Proceeding

- **Ghazaleh Soltanieh**, M.Z. Kabir, M. Shariyat, "A comparison between snapping instability of composite shallow cylindrical shells hybrid with the Shape memory alloy and steel wires", ICCS20, 2017, Paris, France,2017.
- **Ghazaleh Soltanieh**, M.Z. Kabir, M. Shariyat, "The effect of composite substrate material in enhancement of the stability limit load for the shallow cylindrical shells with embedded shape memory alloy wires", ICCS20, 2017, Paris, France,2017.

Talks

- **Ghazaleh Soltanieh**, M.Z. Kabir, M. Shariyat, "The effect of shape memory alloy wires on behavior modification of composite plates with embedded SMA wires under impulse load", 5ncnms, 2016, Tehran, Iran.
- **Ghazaleh Soltanieh**, M.Z. Kabir, M. Shariyat, "Dynamic response of shallow cylindrical shell with embedded SMA wires under impulse load" , 5ncnms, 2016, Tehran, Iran.

Skills

- **Experimental Skills**
  -Digital Image Correlation (DIC) Measurement Systems, 3D printers
- **Computer Skills**
  -Engineering Software including SAP, SAFE, ETABS, AUTOCAD, ABAQUS, ANSYS, LS DYNA, PYTHON Language, FORTRAN LANGUAGE, MATLAB, MATHEMATICA
- **Language Skills**
  -English, TOEFL PBT (Nov.13, 2010), Total score: 573, Listening: 57, Structure: 55, Reading: 60, TWE: 4
  -Turkish
  -French

Awards, Grants & Honors

- **Turkiye Bursleri grant for research in Turkey** at Middle East Technical University (2nd ranked university in Turkey), 2018.
- **Distinguished PhD students** in Stuctural Engineering, Rank first among input students, 2018.
- **Distinguished MSc students** in Stuctural Engineering, Rank third among input students, 2012.
- **Distinguished BSc students** in civil Engineering, taking an exemption on MSc national university entrance examination, 2011.

Research interests

- FRP composite structure
- Stability of Plates and shells
- Smart materials
- Steel structures
- Theory of elasticity and plasticity
- Finite element
- Dynamics

Social Activities

- Trained for Commercialization Process and Patents Recording.
- Being representve of my city in My City My Culture Festival at Amir Kabir University, 2010.
- High Talent in Leadership, Social Communication, Teaching, Expression Techniques and Creativity.