



## Farshid Ahmadi

Assistant Professor

College: Faculty of Mechanical Engineering

Department: Mechanical Engineering - Manufacturing and Production

Dr. Farshid Ahmadi is a Faculty Member in the Department of Mechanical Engineering, University of Kashan. He is also an Engineering and Research Consultant. Dr. Ahmadi's research is multi-disciplinary and revolves around Metal forming, Ultrasonic assisted manufacturing, FEM, Bio-Mechanics and Nano structured materials.

He received his PhD in Mechanical Engineering from Isfahan University of Technology (with the highest honor), as the first Ph.D. graduate of the department .

He has received numerous academic award, including 3<sup>th</sup> person among 7850 people in Mechanical Engineering Master Degree entering Exam award and Fellowship of National Elite Foundation.

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenure Track	Full Time	(not set)

### Papers in Conferences

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- فرشید احمدی، Optimization of Pipe induction bending process by FEM, 4th International congress of Electrical, computer and Mechanical engineering ,1 - 10 07 2020, تهران .
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6. Estekei H, Ahmadi F., Investigating the effect of strain rate and initial billet temperature on the force required for tube extrusion of austenitic stainless steels 316L using Abacus software. 5th International conference on Applied Research in Electrical, Mechanical and Mechatronics Engineering, تهران, ۲۰۱۹, ۲۷ ۲.
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## Papers in Journals

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2. Non-Uniform Simple Shear Extrusion (NUSSE) Technique as a novel severe plastic deformation technique, Journal of Ultrafine Grained and Nanostructured Materials (JUGNSM), Vol. 57, pp. 9, 2024 06 18, SCOPUS, ISC.
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4. The deformation behavior of aluminum alloy in a novel severe plastic deformation process known as combined SSE-FE process, Manufacturing Letters, Vol. 40, pp. 104, 2024 04 02, SCOPUS, ISI-Listed.
5. Investigation of the effect of ultrasonic vibration on the performance of the friction drilling by FEM simulation, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024 04 01, SCOPUS, JCR.
6. Dynamic instability region analysis of reinforced-CNTs truncated conical shells using mixed DQ-Bolotin method, Structural Engineering and Mechanics, Vol. 87, pp. 129, 2023 07 25, SCOPUS, JCR.
7. Experimental Study of Shearing Dimensional Parameters in the Sheet Metal Blanking Process of StW24 Steel with a Thickness of 12 mm, Journal of Modern Processes in Manufacturing and Production (MPMP Journal), Vol. 12, pp. 5, 2023 07 01.
8. Investigation of Effective Parameters on the Surface Temperature Gradient under Equal Channel Angular Pressing Process of AA2017, Journal of Modern Processes in Manufacturing and Production (MPMP Journal), Vol. 11, pp. 5, 2022 09 22.
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15. Mousavi, E., Meratian, M., Ahmadi, Investigation of mechanical properties and fracture surfaces of 5086 Al-based alloy processed by equal channel angular pressing in different routes, Journal of Advanced Materials and Processing, 2018 11 20.

16. R Shahrokh, A Ghaei, M Farzin, F Ahmadi, Experimental and numerical investigation of ultrasonically assisted micro-ring compression test, The International Journal of Advanced Manufacturing Technology, 2018.
17. Mousavi, E., Ahmadi, F, Cavaliere, P, Effect of lead on the crack propagation and the mechanical properties of Brass processed by ECAP at different temperatures, Materials Science & Engineering A, 2018.
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