



## Sa&#amp;#amp;#amp;#039;id Golabi

Professor

College: Faculty of Mechanical Engineering

Department: Mechanical Engineering - Solid Design

### Education

Degree	Graduated in	Major	University
BSc	1987	Mechanical Engineering, Mechanics of Solids	Tehran University
MSc	1990	Mechanical Engineering, Applied mechanics	Tehran University
Doctoral	1997	Mechanical Engineering	University of South Australia

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan	Professor	Tenured	Full Time	29

### Papers in Conferences

1. مسیح گلابی، علی قربانپور، سعید گلابی، کاهش پایه های نگهدارنده در اجسام دارای سطوح معلق در چاپ سه بعدی به روش رسوب گذاری ذوبی، سی و دومین همایش سالانه بین المللی انجمن مهندسان مکانیک ایران، ۱ - اراک، ۲۰۲۴، ۰۷ ۰۵ ۰۷ حمید مسفروش، سعید گلابی، محسن ایرانی رهقی، کاهش ارتعاش روتورهای دوار دوربالا بوسیله ی تعیین موقعیت بهینه یاتاقان ها توسط الگوریتم ژنتیک، ششمین کنفرانس تجهیزات دوار در صنایع نفت و نیرو، تهران، ۳۰ دی و ۱ بهمن ۱۳۹۳.
3. Madani Nasab H., Golabi, S., Numerical Simulation of Power, Movement Speed and Laser Beam Diameter in Forming Process of FGM Plates According to the Exponential Law, The ۱۴th International Conference of Iranian Aerospace Society Communication and Space Technology, تهران، ۳ ۳ ۲۰۱۵.
4. با ظرفیت تولید CCHP مجید سبزیوشانی، سعید گلابی، بررسی و ارزیابی اقتصادی تولید همزمان برق، حرارت و تبرید. برق یک مگاوات، اولین کنفرانس بین المللی رویکردهای نوین در نگهداشت انرژی، تهران دانشگاه صنعتی امیرکبیر، ۱ تا ۲ آذر ۱۳۹۰.
5. Golabi S. ,3D elastic plastic finite element analysis of stress-strain in autofrettaged spherical pressure vessel with a radial hole ,Conference of Iranian Society of Mechanical Engineers ,Tehran Iran ,May 2004 0 0 123.

6. Golabi S., Luong L. H. S., Abhary K. ,Design For Assembly Using Knowledge-Based Systems ,International conference on Advanced Manufacturing Technology ,Johor Bahru, Malaysia ,29 30August 1994 00 123.
7. Golabi S., Abhary K., Luong L. H. S. ,Automatic Generation Of All Geometrically Feasible Assembly Sequences Using Solid Modelling ,Proceedings of the 6th International Conference-Flexible Automation & Intelligent Manufacturing (FAIM96) ,Atlanta, U.S. ,1996.
8. Golabi S., Abhary K., Luong L. H. S. ,A Technique For Planar Contact Recognition In Automatic Assembly Planning ,Proceedings of The 1996 ASME Design Engineering Technical Conferences ,Irvine, California ,18-22August 1996.
9. Golabi S., Abhary K. ,Collision Detection for Assembly Planning Using Solid Modelling ,Proceeding of the 1998 ASME Design Engineering Technical Conferences ,Atlanta, Georgia ,13-16Sept,1998.

### Papers in Journals

1. Ali Foroozmehr, Mohsen Badrossamay, Ehsan Foroozmehr, Sa'id Golabi,Finite Element Simulation of Selective Laser Melting process considering Optical Penetration Depth of laser in powder bed,Materials and Design,Vol. 89,pp. 255-263,2015 10 01,Q1.
2. Sa'id Golabi, Javad Jafari Fesharaki, Maryam Yazdipoor,Gear train optimization based on minimum volume/weight design,Mechanism and machine theory,Vol. 73,pp. 197-217,2014 3 01,ISI.
3. Mohammadreza Salarkia<sup>1</sup>, Sa'id Golabi,Liquefied Natural Gas (LNG): Alternative Marine Fuel Restriction and Regulation, Considerations, Environmental and Economic Assessment,Energy Engineering & Management,Vol. 4,No. 10,pp. 44-59,2021,ISC.
4. Javad Jafari Fesharaki, Seyed Ghasem Madani, Sa'id Golabi,Numerical and analytical investigation of a cylinder made of functionally graded materials under thermo-mechanical fields,Journal of Modern processes in Manufacturing and production,Vol. 3,No. 5,pp. 59-68,2016,ISC.
5. Sa'id Golabi, Hossein Khazaali,Determining frustum depths of 304 stainless steel plates with various diameters and thicknesses by incremental forming,Journal of Mechanical Science and Technology,Vol. 28,No. 8,pp. 3273-3278,2014 8 01,ISI.
6. S. M. R. Allahyari · S. Golabi,Reducing Stress Concentration Around a Hole in a Thin-Wall Cylinder Subjected to Internal Pressure Using Piezoelectric Patches,Iranian Journal of Science and Technology, Transactions of Mechanical Engineering,2019 10 3.
7. S. M. R. Allahyari · S. Golabi,Reducing stress concentration around a hole in a plate subjected to biaxial tension,Iranian Journal of Science and Technology, Transactions of Mechanical Engineering,2019 12 06.
8. Masoud Mohammadi , Sa'id Golabi , Behzad Amirjalili,Determining Optimum Butt-Welding Parameters of 304 Stainless-Steel Plates Using Finite Element, Particle Swarm and Artificial Neural Network,Iranian Journal of Science and Technology, Transactions of Mechanical Engineering,2020 10 07.
9. Mohammadreza Salarkia , Sa'id Golabi , Behzad Amirjalili,Optimum Design of Liquefied Natural Gas Bi-lobe Tanks using Finite Element, Genetic Algorithm and Neural Network,Journal of Applied and Computational Mechanics,Vol. 4,No. 6,2019 10 18.
10. Javad Jafari Fesharaki, Seyed Ghasem Madani, Sa'id Golabi,Investigating the effect of stiffness/thickness ratio on the optimal location of piezoelectric actuators through PSO algorithm,Journal of Solid Mechanics,Vol. 4,No. 9,pp. 832-848 ,2017,Q3.
11. Ehsan Malekipour, Sa'id Golabi,Examining the Effects of Continuously Variable Transmission (CVT) and a new mechanism of planetary gearbox of CVT on Car Acceleration and Fuel Consumption,International Journal of Application or Innovation in Engineering & Management,Vol. 3,No. 9,pp. 69-79,2014 9 01.
12. Javad Jafari Fesharaki, Seyed Ghasem Madani, Sa'id Golabi,Best pattern for placement of piezoelectric actuators in classical plate to reduce stress concentration using PSO

algorithm, *Mechanics of advanced materials and structures*, 2018 06 29, Q1.

13. Sa'id Golabi & Mohammad Reza Vakil & Behzad Amirsalari, Multi-Objective Optimization of Residual Stress and Cost in Laser Shock Peening Process Using Finite Element Analysis and PSO Algorithm, *Lasers in Manufacturing and Materials Processing*, 2019 09 13, Q2.

14. Mohammadali Keshtiara · Sa'id Golabi · Rasoul Tarkesh Esfahani, Multi-objective optimization of stainless steel 304 tube laser forming process using GA, *Engineering with Computers*, 2019 08 19, *Engineering with Computers*.

15. Hamid Madaninasab, Sa'id Golabi, FEM simulation of the bending angle during the laser forming of FGM Plates, *Journal of Thermal Stresses*, Vol. 38, pp. 1034-1048, 2015 6 01, ISI.

16. حسين وثوق, فرشيد احمدى, سعيد گلابى, 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.

17. J. Jafari Fesharaki, S. Golabi, Effect of stiffness ratio of piezoelectric patches and plate on stress concentration reduction in a plate with a hole, *Mechanics of Advanced Materials and Structures*, ۲۰۱۶.

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20. Rasoul Tarkesh Esfahani, Sa'id Golabi, Zahra Zojaji, Optimization of finite element model of laser forming in circular path using genetic algorithms and ANFIS, *SOFT COMPUT*, Vol. 20, No. 5, pp. 2031-2045, 2016 5 01, ISI.

21. Javad Jafari Fesharaki, Sa'id Golabi, A novel method to specify pattern recognition of actuators for stress reduction based on Particle swarm optimization method, *SMART STRUCT SYST*, Vol. 17, No. 5, pp. 725-742, 2016 5 01, ISI, SCOPUS, ISC.

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23. Ehsan Malekipour, Sa'id Golabi, Design of Continuously Variable Transmission (CVT) with Metal Pushing Belt and Variable Pulleys, *International Journal of automotive engineering*, Vol. 4, No. 2, pp. 699-717, 2014 8 01, ISC.

24. Rasoul Tarkesh Esfahani, Sa'id Golabi, EXPERIMENTAL AND NUMERICAL ANALYSIS OF THE COLLAR PRODUCTION ON THE PIERCED FLAT SHEET METAL USING LASER FORMING PROCESS, *Journal of current research in science*, Vol. 2, No. 2, 2014 5 01, ISI.

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29. J. Jafari Fesharaki, Sa'id Golabi, Amir Atrian, Effect of Lorentz Force on Non-Axisymmetric Thermo-Mechanical Behavior of Functionally Graded Hollow Cylinder, *Advanced Materials Research Vols*, 2011.

30. Ali Ghorbanpour Arani, Javad Jafari Fesharaki, M Mohammadimehr, Sa'id Golabi, Electro-magneto-thermo-mechanical Behaviors of a Radially Polarized FGPM Thick Hollow Sphere, *Journal of Solid Mechanics*, Vol. 2, No. 4, pp. 305-315, 2010 12 01, SCOPUS ,ISC.
31. Sa'id Golabi, Ali Ghorbanpour ,& Arani, Amir Masoud Tahvilian, EXPERIMENTAL AND NUMERICAL STUDY OF THE EFFECT OF STIFFENING RINGS ON REDUCING THE THICKNESS OF TORISPHERICAL HEADS WITH PRESSURE ON THEIR CONCAVE SIDE\*, *Iranian Journal of Science and Technology*, Vol. 32, No. 4, pp. 425-436, 2008 8 01, ISC ,SID.
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33. R. Rahmani, Ali Ghorbanpour Arani, Ali Arefmanesh, Sa'id Golab, Buckling analysis of multi-walled carbon nanotubes under combined loading considering the effect of small length scale, *Journal of Mechanical Science and Technology*, Vol. 22, pp. 1-11, 2007 8 01, ISI ,SCOPUS.
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35. Ali Ghorbanpour Arani, Sa'id Golabi, Abbas, Stress and electric potential fields in piezoelectric smart spheres, *Journal of Mechanical Science and Technology*, Vol. 20, No. 11, pp. 1920-1933, 2006 11 01, ISI ,SCOPUS.