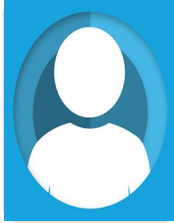




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Citations (Scopus):

166

Supervised MSc Theses

#	Thesis title	By	Date
1	Finite Element Analysis and Experimental Study of FDM Parts Mechanical Properties	Soheil Shaker & Hamed Adibi	March 2022
2	Design and analysis of temperature adjustment pilot of automatic Babbitt casting device for power plant journal bearings	Mehdi Zareie & Hamed Adibi	September 2021
3	Application of the auxiliary wheel cleaning jet in the grinding of nickel based super alloy with Minimum Quantity Lubrication technique	Omid Hatami Farzaneh & Hamed Adibi	July 2021
4	Experimental investigation on the process parameters effects on the mechanical strength of printed parts with poly ether ether ketone (PEEK) material fabricated via FDM process.	Amir Rouhani & Hamed Adibi	February 2021
5	Experimental investigation on the process parameters effects on the wear behavior of ABS parts fabricated by fused deposition modeling.	Mohammadhossein Bahrami & Hamed Adibi	February 2021
6	Analytical Modeling of cutting forces in grinding process considering micro mechanism of cutting between grain-work piece	Farzad Jamaatisomarin & Hamed Adibi	December 2020
7	Experimental Investigation on the process parameter effects on the mechanical properties of Polymer-Metal composites Printed by FDM	Seyedmohammadreza Hashemi & Hamed Adibi	January 2020
8	Improvement of cutting fluid application in grinding process using additional nanoparticles	Majid Najafimehr & Hamed Adibi	October 2019

9	Analysis and investigation of manufacturing of composite ceramic brake pad and performance evaluation	Tofigh Palizban & Hamed Adibi	February 2019
10	Experimental analysis of Electrophoretic Deposition-Assisted Polishing (EPDAP)	Mohsen Khani & Hamed Adibi	December 2018
11	Experimental study on the surface integrity and residual stress of nickel base super alloy ball burnishing process	Hashem Sabri & Hamed Adibi	December 2018
12	Ultrasonic-Assisted Grinding of Optical Glass	Mohammad Zarei & Hamed Adibi	February 2018
13	Performance improvement of nickel based super alloy grinding by using a structured alumina grinding wheel with and without cooling nitrogen liquid	Misagh Khaleghbagheri & Hamed Adibi	February 2018
14	Experimental investigation and finite element modeling of material removal behavior of optical glass in single grit grinding	Akbar Solhtalab & Hamed Adibi	January 2018
15	An Experimental Study On Chemical-Mechanical Polishing Of Optical Glass	Masoud Mohammadi & Hamed Adibi	October 2017
16	Development of magnetic fluid wheel for flat polishing of optical glass	Ferdows Ahmady Vostakolaei & Hamed Adibi	September 2017
17	Investigation on grinding process of ceramic matrix composites	Hamed Esmaeili & Hamed Adibi	February 2017
18	Analysis of NiTi shape memory alloy grinding process	Malek Mahmoudi Yamchi & Hamed Adibi	February 2017

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	practical centrifugal pumps design , operation and maintenance	Salman Khani Khajeh, Hamed Adibi	Iran (Islamic Republic of)	April 2016	1

Journal Papers

Portal Records					
1	Omid Hatami Farzaneh, Hamed Adibi, S.Mehdi Rezaei, "Application of a compressed air jet for cleaning of wheel surface in grinding nickel-based super alloy Inconel 718", CIRP Journal of Manufacturing Science and Technology, May 2022 Vol. 37, Num. 0, Page 233-244, May 2022,				
2	Mohammad Bayat, Hamed Adibi, Amin Barzegar, S.Mehdi Rezaei, "Experimental and numerical investigation of heat generation and surface integrity of ZrO2 bioceramics in grinding process under MQL condition", JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, April 2022 Vol. 131, Num. 0, Page 1-16, April 2022,				
3	Mohammad Vahid Ehteshamfar, Mohammadsadegh Javadi , Hamed Adibi, "Surface modification of prototypes in fused deposition modelling using lapping process", Rapid Prototyping Journal, March 2022 Vol. 0, Num. 0, Page 1-12, March 2022,				

- 4 Hamed Esmaili, Hamed Adibi, Reza Rizvi, S.Mehdi Rezaei, "Coupled thermo-mechanical analysis and optimization of the grinding process for Inconel 718 superalloy using single grit approach", TRIBOLOGY INTERNATIONAL, March 2022 Vol. 171, Num. 0, Page 1-20, March 2022,
- 5 Hamed Adibi, Farzad Jamaatisomarin, Abdolreza Rahimi, "Analytical simulation of grinding forces based on the micro-mechanisms of cutting between grain-workpiece", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, January 2022 Vol. 119, Num. 0, Page 4781-4801, January 2022,
- 6 Farzad Jamaatisomarin, Hamed Adibi, Abdolreza Rahimi, "Analytical Modeling of Cutting Forces in Grinding of AISI 1060 Heat Treated Steel Considering Undeformed Chip Thickness Distribution", Modares Mechanical Engineering, September 2021 Vol. 21, Num. 10, Page 685-692, September 2021,
- 7 Hamed Adibi, Seyedmohammadreza Hashemi, "Experimental study on tensile strength of copper microparticles filled polymer composites printed by fused deposition modelling process", Rapid Prototyping Journal, July 2021 Vol. 0, Num. 0, Page 1-11, July 2021,
- 8 Hamed Adibi, Mohsen Khani, Hamed Esmaili, "Experimental evaluation of electrophoretic deposition-assisted polishing", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, May 2021 Vol. 0, Num. 0, Page 1-9, May 2021,
- 9 Seyedmohammadreza Hashemi, Hamed Adibi, Ahmad Nazari Astanjin, "Experimental Analysis of Abrasion Resistance of Acrylonitrile Butadiene Styrene Components Made by Fused Deposition Modelling Using Response Surface Method", Modares Mechanical Engineering, March 2021 Vol. 21, Num. 4, Page 235-245, March 2021,
- 10 Hamed Esmaili, Hamed Adibi, S.Mehdi Rezaei, "Study on surface integrity and material removal mechanism in eco-friendly grinding of Inconel 718 using numerical and experimental investigations", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, January 2021 Vol. 112, Num. 0, Page 1797-1818, January 2021,
- 11 Seied Javad Aaraj Khodaii, Hamed Adibi, Farshad Barazandeh, S.Mehdi Rezaei, Ahmed A.D. Sarhan, "Investigation of the surface integrity, flexural strength on the grinding of alumina for biomedical applications", PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY, September 2020 Vol. 67, Num. 0, Page 110-122, September 2020,
- 12 Seied Javad Aaraj Khodaii, Hamed Adibi, Farshad Barazandeh, Akbar Solhtalab, S.Mehdi Rezaei, Ahmed A.D. Sarhan, "Improvement of surface integrity in the grinding of bioceramic partially stabilized zirconia using analytical, numerical, and experimental methods", CERAMICS INTERNATIONAL, June 2020 Vol. 46, Num. 9, Page 13784-13797, June 2020,
- 13 Hamed Esmaili, Hamed Adibi, S.Mehdi Rezaei, "Surface Quality, Efficiency and Process Optimization of Grinding Carbon Fiber?Reinforced Silicon Carbide Composite", Modares Mechanical Engineering, June 2020 Vol. 20, Num. 6, Page 1409-1421, June 2020,
- 14 Hamed Adibi, Amir Sorati Ashtiani, Abdolreza Rahimi, "In-Process Monitoring of Nickel-Based Super Alloy Grinding Using the Acoustic Emission Method", RUSSIAN JOURNAL OF NONDESTRUCTIVE TESTING, February 2020 Vol. 55, Num. 12, Page 909-917, February 2020,
- 15 Seied Javad Aaraj Khodaii, Farshad Barazandeh, S.Mehdi Rezaei, Hamed Adibi, Ahmed Sarhan, "Surface integrity and flexural strength improvement in grinding partially stabilized zirconia", Journal of Central south university, January 2020 Vol. 26, Num. 12, Page 3261-3278, January 2020,
- 16 Seied Javad Aaraj Khodaii, Farshad Barazandeh, S.Mehdi Rezaei, Hamed Adibi, Ahmed Sarhan, "Influence of grinding parameters on phase transformation, surface roughness, and grinding cost of bioceramic partially stabilized zirconia (PSZ) using diamond grinding wheel", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, November 2019 Vol. 105, Num. 11, Page 4715-4729, November 2019,
- 17 Ebrahim Yarali, Arman Mohammadi, Sheyda Mafakheri, Mostafa Baghani, Hamed Adibi, "Mathematical modeling and experimental evaluation of a prototype double?tube Magnetorheological damper", SN APPLIED SCIENCES, October 2019 Vol. 2019, Num. 1, Page 13-41, October 2019,
- 18 Akbar Solhtalab, Hamed Adibi, Amir Esmailzare, S.Mehdi Rezaei, "Cup wheel grinding-induced subsurface damage in optical glass BK7: An experimental, theoretical and numerical investigation", PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY, April 2019 Vol. 57, Num. 0, Page 162-175, April 2019,
- 19 Hamed Esmaili, Hamed Adibi, S.Mehdi Rezaei, "An efficient strategy for grinding carbon fiber-reinforced silicon carbide composite using minimum quantity lubricant", CERAMICS INTERNATIONAL, March 2019 Vol. 45, Num. 0, Page 10852-10864, March 2019,




- 20 Farshad Barazandeh, Seied Javad Aaraj Khodaii, S.Mehdi Rezaei, Hamed Adibi, Ahmed Sarhan, "Investigation of grinding partially stabilized zirconia (PSZ) for dental Implant application", , May 2018 Vol. 18, Num. 4, Page 951-958, May 2018,
- 21 Hamed Esmaeili, Hamed Adibi, S.Mehdi Rezaei, "Experimental study on grinding forces and specific energy in three different environments of grinding carbon fiber reinforced silicon carbide composite", , January 2018 Vol. 18, Num. 1, Page 379-387, January 2018,
- 22 Hamed Adibi, Hamed Esmaeili, S.Mehdi Rezaei, "Study on minimum quantity lubrication (MQL) in grinding of carbon fiber-reinforced SiC matrix composites (CMCs)", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, December 2017 Vol. 0, Num. 0, Page 1-15, December 2017,
- 23 Hamed Adibi, Ebrahim Yarali, رمضان شمس, "Design, fabricate and testing the novel Magnetorheological damper involving stabilizer nanoparticles of silicone", , October 2017 Vol. 17, Num. 8, Page 252-258, October 2017,
- 24 Amir Esmaeilzare, Hamed Gholipour, Hamed Adibi, S.Mehdi Rezaei, "Surface and Subsurface Damage Measurements in Zerodur Glass-Ceramic Grinding Process and their Correlation with Surface Roughness", , November 2015 Vol. 15, Num. 13, Page 332-337, November 2015,
- 25 Hamed Esmaeili, Hamed Adibi, S.Mehdi Rezaei, "Modelling and optimization of creep feed grinding parameters for gas turbine blades", , November 2015 Vol. 15, Num. 13, Page 318-322, November 2015,






Conference Papers

Portal Records

- 1 Seyedmohammadreza Hashemi, Hamed Adibi, "Experimental investigation on the FDM process parameters effect on the mechanical properties of polymer-metal composite ", 28th annual international conference of Iranian society of mechanical engineering, May 2020
- 2 Seyedmohammadreza Hashemi, Hamed Adibi, "experimental analysis and finite element modeling of mechanical properties of additive manufactured parts ", 28th annual international conference of Iranian society of mechanical engineering, May 2020
- 3 Mohsen Khani, Hamed Adibi, Mohadeseh Goldoust, "experimental investigation of Electrophoretic Deposition Assisted Polishing ", The 28th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2020, May 2020
- 4 Seyedmohammadreza Hashemi, Hamed Adibi, Arefeh Salimi Beni, "Optimization of process parameters on the mechanical properties of additive manufactured parts ", ICME 2019, December 2019

Taught Courses

#	Course title	Description	Headlines	Date
1	Physics of Metrology	Engineering Metrology and Measurement		Spring 2022
2	Strength of Materials (I)	To provide the future engineer with the means of analyzing and designing various machines and load bearing structures		Spring 2022
3	Grinding Technology	Analysis of grinding and abrasive technology for supper alloys and new materials		Spring 2022

4	SURFACE FINISHING TECHNIQUES	SURFACE FINISHING METHOD		Fall 2021
5	Additive Manufacturing	introduction to Additive manufacturing methods		Fall 2021
6	Quality Control	Quality Control		Fall 2021
7	Physics of Metrology	Engineering Metrology and Measurement		Spring 2021
8	Production Machine Tools	machine tools		Spring 2021
9	Grinding Technology	Analysis of grinding and abrasive technology for supper alloys and new materials		Spring 2021

Inventions/Patents

#	Invention title	Reg. number	Country	contributers	Reg. date	Exp. date
1	Smart magnetorheological damper involving nanoparticles stabilized MR fluid	93812			2017/10/1	2036/12/1