

**4th INTERNATIONAL CONGRESS on 3D PRINTING (Additive Manufacturing)
TECHNOLOGIES and DIGITAL INDUSTRY (3D-PTC2019)
SIDE SALONU**

11 April 2019 14:00-16:00		
14:00-16:00	Session Chairman : Dr. Binnur SAĞBAŞ	SİDE-3.Session
14:00-14:15	18-Determination Of Working Parameters Of 3D Printers On Various Operation Modes With Different Sensing Systems	Kubilay Bayramoglu, Kerim Deniz Kaya, Semih Yilmaz And Burak Göksu
14:15-14:30	72-The Effect Of Contact Surface On The Grasping Capability Of Additively Manufactured Soft Robotic Gripper	Savaş Dilibal And Josiah Owusu-Danquah
14:30-14:45	82-Characterization Of Embedded Microchannels Fabricated By SLA	Ender Yıldırım, Ulaş Yaman And M.A. Sahir Arıkan
14:45-15:00	86-Investigating The Tribological Performance Of Alsi10mg Parts Manufactured By Direct Metal Laser Sintering	Binnur Sağbaşı
15:00-15:15	98-Effect Of Layer Thickness On Mechanical Properties Of 3D-Printed Polycarbonate Polymer By Fdm	Necip Fazıl Yılmaz, Musa Yılmaz, Ali Kılıç And Ömer Eyercioglu
15:15-15:30	153-Great Scale Printing Solution With Free 3D	Senai Yalcinkaya And Murat Şen
15:30-15:45	197-Utilization Of 3D Printing Technologies In Marine Applications	Kubilay Bayramoglu, Kerim Deniz Kaya, Semih Yilmaz, Burak Göksu And Batuhan Murato
15:45-16:00	203-Computer Aided Design And Manufacturing Of Reverse Shoulder Prosthesis: A 3D Printer Study	Didem Venüs Yıldız And Mehmet Pişkin
16:00- 16:30	Ara/Break	

11 April 2019 16:30-18:30		
16:30-18:30	Session Chairman : Prof. Dr. Ömer EYERCİOĞLU	SİDE-4.session
16:30-16:45	11-Experimental Investigation Of Overhang Angle In TIG Welding-Based Shape Metal Deposition Process	Ömer Eyercioglu, Yusuf Atalay, Mehmet Aladağ And Oguzhan Yılmaz
16:45-17:00	26-Design Of Customized Mouthguards For 3d Printing Using A Parametric Modeling Methodolog	Selçuk Uzel And Recep Muhammet Gorguluarslan
17:00-17:15		
17:15-17:30	124-Experimental Modal Analysis Of 3d Printed Beams	Osman İyibilgin, Hüseyin Dal And Engin Gepek
17:30-17:45	173-Tool-Path Optimization In Fff 3d Printing Machine Using Lines Approach Algorithms	Ahmed Merzah And Fatih V.

		Çelebi
17:45-18:00	186-The Translation Of 3d Model To A Language Of Producing	Senai Yalcinkaya, Eray Canelik And Murat Sen
18:00-18:15	200-Investigation Of Microstructural Behavior Of Nickel-Titanium Alloy Produced Via Additive Manufacturing	Gozde S. Altug-Peduk, Savas Dilibal, Ola Harryson And Sunullah Ozbek
18:15-18:30	240-Geometrical Modelling And Topology Optimization Of Satellite Bracket For Additive Manufacturing	Mehmet Emin Badir, Emirhan Söğütürkan, Akın Dağkolu And Oğuzhan Yılmaz
18:30	Dinner	

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12 April 2019 08:30-10:30		
08:30-10:30	Session Chairman: Doç. Dr. Cem Bülent ÜSTÜNDAĞ	SİDE-5.session
08:30-08:45	10- Determination of The Maximum Bridging Distance in Large Scale Additive Manufacturing	Omer Eyercioglu, Mehmet Aladag, Adem Aksoy and Kursad Gov
08:45-09:00	27- Lattice-based Crash Box Design by Discrete Topology Optimization for 3D Printing	Recep Muhammet Gorgularslan, Olgun Utku Güngör, Saltuk Yıldız and Erdem Erem
09:00-09:15	41- The Effect Of Shape On The Dimensional Accuracy For 3d Printed Parts	Hilmi Saygin Sucuoglu, Ismail Bogrekci and Pinar Demircioglu
09:15-09:30	42- The Effect Of Contact And The Raft On The Surface Roughness Of 3d Printed Object	Pinar Demircioglu, Ismail Bogrekci, Hilmi Saygin Sucuoglu and Asli Gultekin
09:30-09:45	51- Surface Modification Of 3d Printed Pla Objects	Eda Hazal Baran and Hüsnü Yıldırım Erbil
09:45-10:00	163- Manufacturing Of Co –Cr And Co-Cr-Mo Alloys By Slm Techniques And Measurement Of Micro Hardness/ Density Values Used In Medical Application	Senai Yalcinkaya, Ebuzer Aygul and Yusuf Şahin
10:00-10:15	184- 3D Printing Soft Robots using Low-Cost Consumer 3D Printers	Özgün Selvi, İrem Telli, Onat Halis Totuk and Selçuk Mıstıkoğlu
10:15-10:30	242- Designing thermochemical processes for Ti-alloys produced by additive manufacturing techniques	Ziya Esen, Merve Nur Doğu, Guney Mert Bilgin and Arcan Fehmi Dericioglu
10:30- 11:00	Ara/Break	

12 April 2019 11:00-12:45		
11:00-12:45	Session Chairman : Dr. <u>Senai YALCINKAYA</u>	SİDE-6.session
11:00-11:15	43- The Effect Of Extrusion Speed On Surface Roughness For 3d Printed Parts	Pinar Demircioglu, Ismail Bogrekci, Hilmi Saygin Sucuoglu And Neslihan Demir
11:15-11:30	44- The Effect Of The Infill Type And Density On Hardness Of 3d Printed Parts	Ismail Bogrekci, Pinar Demircioglu, Hilmi Saygin Sucuoglu And Ogulcan Turhanlar
11:30-11:45	83- Generation And Characterization Of Hydrogel Microdroplets As Bioink For Bioprinting Applications	Ferah Sucularlı, Ender Yıldırım And M.A. Sahir Arıkan
11:45-12:00	165- Implementation Of Coordinate Measurement Machine Technology For Automotive Components	<u>Senai Yalcinkaya</u> , <u>Acar Can Kocabiçak</u> And <u>Ayhan Onat</u>
12:00-12:15	193- Structural And Mechanical Properties Of Ti6Al4v Alloyed Samples Fabricated By Selective Laser Melting (Slm) Method	Esra Zerina Appavuravther And Ahmet Türk
12:15-12:30	225- Investigation Of The Physical And Electrochemical Properties Of Cu Coated Conductive Pla Filament	Mehmet Fatih Kaya, Nesrin Kayataş Demir, Bulut Hüner And Recep Uğur Özcan
12:30-12:45	237- 3D Printing Of Intricate Sand Cores For Complex Copper Castings	Luke Sutherland, David Hughes And Emeka Amalu
12:45- 14:00	Lunch	

12 April 2019 14:00-16:00		
14:00-16:00	Session Chairman : Prof. Dr. <u>İsmail BÖĞREKÇİ</u>	SİDE-7.Session
14:00-14:15	45- The Relationship Between The Fusion Temperature And Dimensional Accuracy Of 3d Printed Parts	Pinar Demircioglu, Ismail Bogrekci, Hilmi Saygin Sucuoglu And Emrah Guven
14:15-14:30	46- Comparison Of Prototyping Costs Between Additive And Classical Manufacturing Techniques	<u>Pinar Demircioglu</u> , <u>Ismail Bogrekci</u> , <u>Neslihan Demir</u> And <u>Utku Kose</u>
14:30-14:45	77- The Application Of Laser Metal Deposited Method, (Lmd) On Steels	Artun Tüten, Hüseyin Özden And Michael Rethmeier
14:45-15:00	192- The Comparison Of Mechanical Properties Applied Heat Treatments And Non-Heat Treatments Spinal Implants Fabricated Selective Laser Melting (Slm)	Cüneyt Temiz And Esra Zerina Appavuravther
15:00-15:15	224- Mechanical Characterization Of 3D Printed PLA	Fatih Ciftci, Mert Gezek

	Tensile Test Specimen	And Cem Bulent Ustundag
15:15-15:30	155- Blockchain As The Basis Of The Digital Economy. World Experience Of Cryptocurrency Financial Regulation	<u>Alexander Shmatko</u> And Alla GavriloVA
15:30-15:45	170- Analytical Identification Of Engineering Objects For The Implementation Of The 3D Printing Technology	Alexander Shmatko And <u>Yuliya Litvinova</u>
15:45-16:00	241- Modal Analysis Of Titanium Alloy And Aluminium Alloy Hybrid Beams In Various Cellular Design	Berkay Ergene And Bekir Yalçın
16:00-16:30	Ara/Break	

12 April 2019 16:30-18:30		
16:30-18:30	Session Chairman : Dr. Haydar ŞAHİN	SiDE-8.session
16:30-16:45	238-Filament Fabrication And 3d Printing Of Poly(Lactic Acid) And Calcium Sulfate (Pla/Caso4) For Bone Tissue Engineering	Ayşe Kaplan, Fatih Çiftçi, Mert Gezek And Cem Bülent Üstündağ
16:45-17:00	239-Thermal Analysis Of A 3d Printer Hotend And Nozzle	Senai Yalcinkaya, Mazlum Borak, Burak Yıldız And Muharrem Yıldırım
17:00-17:15	167- Effects Printing Orientation on Mechanical Properties of Samples Produced by Multijet Fusion (MJF) Technology	Mehmet Erdi Korkmaz and Mustafa Günay
17:15-17:30	177- 3d Printing Solution For Large Scale Parts	<u>Senai Yalcinkaya</u> and <u>Murat Şen</u>
17:30-17:45	37- Biyoyazıcı İle Biyoyumlu Kalp Kapakçığı Üretimi Ve Karakterizasyonu	Meyrem Asena Akgün, Yeşim Müge Şahin and Erdi Buluş
17:45-18:00	38- Yara İyileştirici Ürünlerin Biyoyazıcı-Elektroeğirme Teknikleri İle Eldesi	Meyrem Asena Akgün, Yeşim Müge Şahin and Erdi Buluş
18:00-18:15	107- 4D Baskı Teknolojisi Ve Biyobaskı Alanındaki Uygulamaları	Gözde Konuk Ege, Hasan Kemal Sürmen, Burcu Bektaş And Nihat Akkuş
18:15-18:30	244- Fdm 3b Yazıcı İçin Malzeme Değişirme Mekanizmasının Kavramsal Ve Nesnel Tasarımı	Kerem Boyalı And <u>İlyas İstif</u>
18:30	Dinner	