AMC 2026

Additive Manufacturing Conference

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April 13, 2026

PROGRAM

TIME	EVENT
8:00 am-9:00 am	Registrations
9:00am-9:15am	Opening Ceremony of AMC 2026 Prof. Yusuf Kaynak
9:15am-10:00am	**Keynote Speaker : Prof. Anthony Rollett** **Chair: Prof. Yusuf Kaynak** **"A Digital Twin for Additive Manufacturing and Fatigue"**
10:00am-10:15am	COFEE BREAK

	MAIN HALL	HALL B	HALL C	HALL D
	Design Optimization Chair: Prof. Ulaş Yaman	*Post-process* Chair: Prof. Hossam Kishawy	*Quality Control* Chair: Dr. Remzi Ecmel Ecel	*Application* Chair: Dr. Evren Tan
10:15am-10:35am	Characterization and Optimization of Liquid Rope Coiling for Mechanical Metamaterials via Viscous Thread Instability Walia, Kartikeya	Influence of Post-Heat Treatment on Mechanical and Thermal Properties of AlSi10Mg Alloy Fabricated by Selective Laser Melting Damar, Furkan; Yücel, Adil; Canpolat, Tuna; Can, Serkan; Vural, Berrin Nur; Erdem, Giray; Doğu, Orkun; Yılmaz, Olgun	Combined Ratiometric and Illuminated Imaging for Cooling Rate Measurement in Laser Powder Bed Fusion Weeks, Craig; Myers, Alexander; Quirarte, Guadalupe; Wassermann, Nathan; Singh, Satbir; Malen, Jonathan	Flexural Performance of Gyroid-Infilled CP-Ti Maxillofacial Mini-Plates Fabricated via Laser Powder Bed Fusion Depboylu, Fatma Nur; Poyraz, Özgür; Yasa, Evren; Korkusuz, Feza
10:35am-10:55am	Design Optimization And Additive Manufacturing Of Isotropic Lattice Materials Sağel, Furkan Mert; Görgülüarslan, Recep Muhammet	Abrasive Flow Machining Of Additively Manufactured Complex Conformal Cooling Channel Components Kıtay, Özhan; Taşcıoğlu, Emre; Kaynak, Yusuf	The Effect of TIC Content and Particle Size on Mechanical Performance in LPBF-Processed IN625 Composites Oguz, Baturalp; Bal, Irem; Ceik, Dilara; Gulcan, Yesim Nur; Dursun, Gokhan	Design and Evaluation of a Mobile Concrete Extrusion System for Additive Manufacturing in Construction Khalid, Syed Ghufran; Kay, Jamie; Walia, Kartikeya
10:55am-11:25am	COFEE BREAK			

	MAIN HALL	HALL B	HALL C	HALL D
	Invited Speaker Chair: Prof. Oğuzhan Yılmaz	*Process* Chair: Dr. Kadir Günaydın	*Quality Control* Chair: Dr. Bora İşlier	*Biomedical* Chair: Prof. Mihrigül Ekşi Altan
11:25am-11:45am	Prof. Pedro Cortes "High performance 3D printed materials"	Advancements In Hybrid Manufacturing: Leveraging Polymorphic Fixtures for Precision Machining of PBF-LB Components Nagalingam, Arun Prasanth; Babb, Lyndon; Poyraz, Ozgur; Tureyen, Erkan Bugra; Yasa, Evren; Hughes, James	Representative Quality Indicators (RQIs) For Large-Scale Additive Manufacturing: Pathway to Industrial Qualification Pavey, Lydia; Rodriguez Sanmartin, Daniel; Wright, Julian; Watts, James; Delaney, Kristofer	A New Era in Dental Crown–Brıdge Restorations:SLM-Manufactured Tinb-Based Alloy With Optimized Porcelain Bonding And Favorable Mechanical And Biological Properties Tutsak, Ece; Kırımlıer Aydın, Zeynep; Yetim, Murat; Aksöz, Anıl; Aydoğan, Eda; Yasa, Evren; Uçar, Yurdanur
11:45am-12:05am		Enhancement of Surface Integrity in EBM-Manufactured Ti-6Al-4V Components via a Dual-Pass Selective Laser Polishing Strategy Nesli, Safak; Yilmaz, Oguzhan; Govez, Umut; Tan, Evren	Development of a Rapid Verification Layout to Check the Sensitivity of In-situ Monitoring for L-PBF systems Yagmur, Aydin	Comparative Evaluation of Ti6Al4V and Commercially Pure Titanium TPMS Lattice Structures for Orthopedic Implants Kırımlıer Aydın, Zeynep; Tutsak, Ece; Öztaşkın, Alptuğ; Aksöz, Anıl; Yetim, Murat; Şık, Alp; Sabuncuoğlu, Barış; Yasa, Evren

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	MAIN HALL	HALL B	HALL C	HALL D
12:05am-12:25am	Assessing the Limits of In-Situ Back-Scatter Electron Imaging in Narrow Electron Beam Powder Bed Fusion Process Windows using X-Ray CT Özyılmaz, Pınar; Çavuş, Ömer Safa; Khalilvandi Behrouzyar, Sina; Erkul, İlayda; Koç, Bahattin	Characterization of Cold-Sprayed C103 Alloy and the Effect of Stress-Relief Heat Treatment Top, Esin; Çelik, Gökhan; Başkan, Mertcan	Computed Tomography-Driven Geometry Compensation of Additively Manufactured Ceramic Cores for Turbine Blade Investment Casting Tavukçu, Hüseyin Alper; Şen, Çağdaş; Özeren, Emre; Gülseven, Pelin	Innovative Cassette-Type Hybrid Build Plate Design for Improved Machinability and Cost Reduction in Dental AM Implants Altunbay, Ayşenur; Karaçam, Mehmet Berk
12:25am-12:45am	Low Angle Overhang Manufacturability in Ti-6Al-4V Laser Powder Bed Fusion Islam, Syed F.; Nagalingam, Arun P.; Haque, Abdul M.; Yasa, Evren; Hughes, James	Cold Metal Fusion (CMF): An Economical Path to Metal Additive Manufacturing via Green Part Post-Processing Geyisi, Kamer		4D Printing of Shape-memory Artificial Vessel with Improved Mechanical Properties Azğüler, Ozan; Ekşi Altan, Mihrigül

12:45pm-1:45pm	LUNCH

1:45pm-2:30pm	**Keynote Speaker : Prof. Zhangwei Chen** **Chair: Prof. Ulas Yaman** **"Material-Structure-Performance Integrated Additive Manufacturing of Advanced Ceramics"**	MAIN HALL
2:30pm -2:45pm	Platin Sponsor: Nikon SLM SOLUTIONS | represented by digiMODE — Chair: Prof. Ulaş Yaman	MAIN HALL
2:45pm -2:55pm	Gold Sponsor: 3Dpromakim — Chair: Prof. Ulaş Yaman	MAIN HALL
2:55pm -3:15pm	COFEE BREAK	

	MAIN HALL *Design Optimization* Chair: Dr. Recep Görgülüaslan	HALL B *Microstructure* Chair: Dr. Evren Yasa	HALL C *Quality Control* Chair: Dr. Remzi Ecmel Ece	HALL D *Process* Chair: Dr. Recep Önler
3:15pm-3:35pm	Numerical Modal Analysis of Additively Manufactured Cellular/Lattice Structures: Effects of Unit-Cell Topology, Relative Density and Orientation on Natural Frequencies and Mode Shapes Koçak, Umut	Thermodynamically Engineered Grain Refinement in Ti-6Al-4V via CALPHAD-Assisted Alloying Çavdarlı, Yiğit Can; Gülletutan, Umut Can; Demirağ, Ünver Oğulcan; Sargın, Irmak	Acoustic Non-Destructive Testing of AM Medical Devices Rodriguez Sanmartin, Daniel; Pavey, Lydia; Delaney, Kristofer; Wright, Julian; Watts, James	Temperature and Dwell-Time-Driven Evolution of Ti6Al4V Powder Morphology during Diode-Laser Preheating for Powder Bed Fusion Erman, S. Can; Aydin, Alkim; Mumtaz, Kamran
3:35pm -3:55pm	Topology Optimization and Part Consolidation of a Brake System for Print-in-Place Additive Manufacturing Özdoğan, Mert; Yaman, Ulas	Functionally Graded Ti-6Al-4V by LPBF: Microstructure, Interfaces, and Mechanical Properties Toker, Güher Pelin; Çalışkan, Umut; Babacan, Nazım; Demirel, Elif; Yıldız, Muhammed Taha	Physical And Spectral Characteristics Of The Vapor Plume In Laser Powder Bed Fusion Weeks, Craig; Myers, Alexander; Deisenroth, David; Singh, Satbir; Malen, Jonathan	Evaluation of Powder Analysis for Ti6Al4V Ergin, Ömer Faruk; Akbulut, Mehmet Yuşa; Ergin, Ahmet Arif
3:55pm-4:15pm	Radar Absorption Performance of Additively Manufactured Re-Entrant Metamaterial Structures Müvezzin, Erkut; Ekşi Altan, Mihrigul	Calphad-Based Phase Stability and Non-Equilibrium Solidification Analysis of SS316L–IN718 Functionally Graded Materials Kaş, Mustafa; Yılmaz, Oğuzhan; Aslan Çığır, Büşra; Bol, Nevzat	Coupon Level Experimental Assessment Of Additively Manufactured Functionally Graded Lattice Cores For Cfrp Sandwich Structures	High-Performance Soft Magnetic Inductors via Binder Jetting of Fe–50Ni Soylemez, Emrecan; Sari, Emre

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	MAIN HALL	HALL B	HALL C	HALL D
			Aşkın, Salih; Düz, Baha; Coşkun, Bilgehan; Sağener, Mustafa Burak; Çolak, Oğuz	
4:15pm-4:30pm	COFEE BREAK			

	MAIN HALL	HALL B	HALL C	HALL D
	Invited Speaker Chair: Dr. Mustafa Safa Yılmaz	*Design Optimization* Chair: Dr. Recep Görgülüaslan	*Process* Chair: Dr. Evren Yasa	*Process* Chair: Prof. Emrecan Söylemez
4:30pm-4:50pm	Prof. Marwan K. Khraisheh "Accelerating Industrial Adoption of Additive Manufacturing through Innovation"	Comparative Analysis of Shear Deformation Theories For Sandwich Beams With Additively Manufactured Lattice Cores Under Sinusoidal Loading Dereli, Emre; Ilyas, Subayyal; Mittelstedt, Christian	Preparation of Graphene-Reinforced Copper Feedstocks for Binder Jet Additive Manufacturing: Effects of Mixing Strategy on Morphology and Flowability Önler, Recep; Kaya, Betül; Ülker, Sema Nur; Kurt, Semanur Azra; Erdinç, Kaan; Söylemez, Emrecan	Effects of Pre-Deformation Parameters on Geometrical Accuracy in Metal Powder Bed Fusion Process Can, Serkan; Vural, Berrin Nur; Erdem, Giray; Yergök, Çağlar; Yılmaz, Olgun; Damar, Furkan; Canpolat, Tuna; Doğu, Orkun
4:50pm -5:10pm		Stress Driven Topology And Lattice Based Lightweight Design Of A Gearbox Housing With Variable Shell And Lattice Thicknesses for SLM 3D Printing Özdemir, Özgür Emre; Yapıcı, Ataberk; Tunçel, Enes Melih; Safran, Burak; Bakraç, Caner; Çetin, Barış	Powder Reuse Behaviour Of Standard And Expanded Ti-6Al-4V Feedstocks In Laser Powder Bed Fusion Baxter, Marie E.; Islam, Syed F.; Yasa, Evren; Christofidou, Katerina; Hughes, James	Automated Powder Removal and Recovery Platform For Metal Additive Manufacturing Görür, Mustafa Caner; Öztaşkın, Alptuğ; Morten, Merve Nur
5:10pm-5:30pm	Anisotropic Inverse Design Of Smooth Periodic Lattices Using Variational Autoencoder-Based Neural Networks Öztaşkın, Alptuğ; Yaman, Ulaş	Modal Topology Optimization and Additive Manufacturing of Inconel 718 Components Oğuz, Baturalp; Poyraz, Özgür; Colak, Oguz	Industrial-Scale Cleaning of Aerospace-Grade Titanium and High-Strength Aluminum Machining Swarfs for High-Value Additive Manufacturing Feedstock Kahveci, Tuba	Fabrication of Fe/B_4C Cored Composite Wires for Wire Arc Additive Manufacturing Usta, Fatih; Nair, Fehmi; Taplak, Hamdi
5:30pm-5:40pm	Silver Sponsor TEI	Silver Sponsor RENISHAW	Silver Sponsor infoTRON	Silver Sponsor SENTESBİR

April 14, 2026

PROGRAM

8:00 am-9:00 am	Registrations
9:00am-09:45am	**Keynote Speaker: Carolin Körner** — **Chair: Prof. Bahattin Koç** **"Voxel based material design by electron beam additive manufacturing"**
09:45am-10:00am	Gold Sponsor upcores — Chair: Prof. Bahattin Koç
10:00am-10:15am	COFEE BREAK

	MAIN HALL	HALL B	HALL C	HALL D
	EBM Chair: Dr. Evren Tan	*Process* Chair: Dr. Sina Khalilvandi Behrouzyar	*Micostructure* Chair: Prof. Necip Fazıl Yılmaz	*Special Session: AM+HIP&HIP+AM* Co-Chairs: Victor Samarov, Yeşim Nur Gülcan
10:15am-10:35am	Comparison of X-ray Computed Tomography and Impulse Excitation Technique Results on Electron Beam Melted TI-6AL-4V Samples Korkmaz Tilki, Pınar; Akansel, Serkan; Birer, Özgür; Bayram, Burak; Kaplan, Mehmet; Tan, Evren; Baydoğan, Murat	Design Criteria to Reduce the Warpage in Laser Powder Bed Fusion Can, Serkan; Yaman, Ulaş	High-performance Thermplastics Obtained By Fused Filament Fabrication For Power Transformers Insulating Components: Ester Compatibility And Dielectric Breakdown Assessment Costa, Catarina; Garrido, Luís; Castro, João; Matos, João Rui; Lopes, Pedro; Lopes, Helena; Barbosa, Flávia	Kenan Boz, Technical Director, EPMA "Introduction, Synergy of PM HIP and AM, EPMA"
10:35am-10:55am	Development Of An Highly-Customizable Architecture Slicer For Electron Beam Melting (EBM) Öztaşkın, Alptuğ; Morten, Merve Nur	Investigating the Role of Scanning Strategies on Porosity Formation and Mitigation in Stitch Regions via Thermal Modeling and X-Ray CT Çavuş, Ömer Safa; Khalilvandi Behrouzyar, Sina; Koç, Bahattin	Microstructural and Mechanical Control of Ti6Al4V via Integrated Diode Point Melting and Dynamic Laser Assisted Heating Aydın, Alkım; Erman, S. Can; Çetin, Erhan; Mumtaz, Kamran	
10:55am-11:25am	COFEE BREAK			

	MAIN HALL	HALL B	HALL C	HALL D
	Invited Speaker Chair: Prof. Emrecan Söylemez	*Process* Chair: Prof. Mihrigül Ekşi Altan	*Design and application* Chair: Dr. Sina Khalilvandi Behrouzyar	*Special Session: AM+HIP & HIP+AM/HIP Equipment* Co-Chairs: Victor Samarov, Yeşim Nur Gülcan
11:25am-11:45am	Prof. Giorgio De Pasquale "Integration of AM in industrial processes for aerostructures"	Designing Process Steps Using Additive Manufacturing Technologies for the Development of Diesel and Hydrogen Engine Blocks and Cylinder Heads Şirin, Bülent; Sekmen, Erdinç; Aydın, Cem; Uludağ, İsmail	ModelA - A Decision Framework For Modular- And Design-Engineering-Based Selective Automation In 3D Concrete Printing Karamara, Merve; Linner, Thomas; Bock, Thomas	Dr. Soumya Nag ORNL "Science and Technology of Bridging AM and PM HIP"
11:45am-12:05am		Optimization Of Laser Powder Bed Fusion (Lpbf) Process Parameters For Cucrzr Alloy Using In-situ Optical Tomography Data Erdoğdu, Furkan; Saklakoğlu, İbrahim Etem	Pressure Drop Evaluation of Different Fin Design for a Cold Plate Produced with Additive Manufacturing Parlak, Murat; Örs, Ergun	

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	MAIN HALL	HALL B	HALL C	HALL D
12:05am-12:25am	Structural Optimization for AM in Presence of Intermittent Loads in Multiple Application Points Altunok, Fikret Enes; De Pasquale, Giorgio; Moulineuf, Benjamin; Poisson, Fabien	Impact of SLM Scanning Strategies on Mechanical Performance, Machinability, and Environmental Footprint of SS316L Components Bushra, Malaika; Umar, Muhammad; Khan, Aqib Mashood; Waqar, Saad; Javed, Adnan; Ning, He	Effects of Geometric Compensation on Electromagnetic Losses in Additively Manufactured Waveguides Kotaman, Mehmet Mert; Sulak, Kazım; Güler, Esra	Cliff Orcutt AIP "A Road from Small to Middle and to Large HIPs: Analysis, Problems, Solutions"
12:25am-12:45am	Sustainable Solutions for Titanium Supply in Additive Manufacturing Boz, Kenan	Lightweight Structural and End-of-Arm Tooling Design for High-Speed In-Mold Labeling Robots Using AI-Based Generative Design Çolak, Oğuz; Atipler, Hüseyin Enes; Hacıoğlu, Erdem; Görmüşer, Tuğçe	RF Performance of Additively Manufactured Aluminum Alloys in Ku-Band Antenna Applications Sırmacı, Ahmet Eren	

12:45pm-1:30pm	LUNCH

1:30pm-2:15pm	**Keynote Speaker : I.S. Jawahir Chair: Prof. İbrahim Etem Saklakoğlu** **"Solid-State Additive Manufacturing: Technological Challenges and New Opportunities for Next Generation Manufacturing"**	MAIN HALL
2:15pm -2:30pm	Gold Sponsor: KROMAŞ Better surfaces for life... | AM solutions 3D post processing technology Chair: Prof. İbrahim Etem Saklakoğlu	MAIN HALL
2:30pm-2:40pm	Gold Sponsor: NORM 3D | EOS Chair: Prof. İbrahim Etem Saklakoğlu	MAIN HALL

	MAIN HALL	HALL B	HALL C	HALL D
	Post-process Chair: Dr. Özgür Poyraz	*Properties* Chair: Dr. Barış Çetin	*Process* Chair: Dr. Recep Önler	*Special Session: HIP Equipment/ Powder making and post-processing for HIP and AM* Co-Chairs: Cliff Orcutt, Yeşim Nur Gülcan
2:40pm-3:00pm	An Industrial-Grade Simulation Platform Enabling Advanced Modelling for L-PBF, MBJ Debinding, Sintering, and HIP Liu, Yan	Experimental Comparison of Damping Performance in Additively Manufactured Particle Damper Çalık, Umut; Şenöz, Erdem Rahmi	Advanced SLA Additive Manufacturing of Si3N4 Structural Components: Overcoming Thermomechanical Challenges in Large-Scale Ceramic Fabrication Svintsitski, Rouslan; Louradour, Eric	Anders Magnusson Quintus Technologies "HIP novel features for quality and productivity"
3:00pm -3:20pm	Tribological Performance Of Mex-Manufactured Ultem 9085 Parts After Polishing And Sand-Blasting Mavi, Fırat; Doğru, Alperen; Sözen, Ayberk; Saklakoğlu, Nurşen; Saklakoğlu, İbrahim Etem	Mechanical Characterization Of TiB2-Reinforced Aluminum Metal Matrix Composite Produced By Laser Powder Bed Fusion Acar, Oguz; Bal, Irem; Gulseven, Pelin; Celik, Dilara; Dursun, Gokhan	Investigation of Mechanical Propreties of Alumina Coupons Produced By Stereolithography Method and Comparison With Traditional Method Kaplan, Mehmet; Solak, Nuri; Birer, Özgür; Korkmaz Tilki, Pınar; Berkem, Ali Sabri	

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	MAIN HALL	HALL B	HALL C	HALL D
3:20pm-3:40pm	Hybrid Surface Treatment of SLM Tool Steel Parts for Plastic Injection Molding: Peening & Nitriding Mengü, Ömer Levent; Gür, Cemil Hakan; Görtan, Mehmet Okan	Shape Memory Effect In As-Built Fe–30Mn–6Si Alloy Produced By Laser Powder Bed Fusion Demirel, Elif; Hufenbach, Julia K.; Toker, Güher Pelin; Babacan, Nazım	Experimental Identification and Validation of Johnson–Cook Strength and Damage Parameters for SLM-Fabricated Titanium Çalışkan, Umut; Toker, Güher Pelin; Özcan, Burak	Dr. Xinjiang Hao Globus "Theory and Practice of high quality powder formation by Gas Atomization for AM and HIP"
3:40pm-4:00pm	COFEE BREAK			

	MAIN HALL	HALL B	HALL C	HALL D
	Post-process Chair: Dr. Tuğçe Tekin	*WAAM* Chair: Prof. Oğuzhan Yılmaz	*Process* Chair: Dr. Umut Çalışkan	*Special Session: Powder making and post-processing for HIP and AM* Co-Chairs: Victor Samarov, Yeşim Nur Gülcan
4:00pm-4:20pm	Fatigue Strength of Different Duplex Surface-Treated Tool Steels Produced by Powder Bed Fusion Additive Manufacturing Techniques Tekin, Tugce; Naclerio, Francesco; Molinari, Alberto	Effect of the WAAM Parameters and Substrate Thickness on the Geometry and Hardness of 316L Stainless Steel Ertugrul, Gökhan; Ossenbrink, Ralf; Schricker, Klaus; Härtel, Sebastian	Additive Manufacturing Of Carbon Fiber–Epoxy Composites Via Freeform Reversible Embedding: Effects Of Interfacial Engineering İrez, Alaeddin Burak; Feinberg, Adam W.	Dr. Sergey Kuznetsov CEBT "Theory and practice of PREP powder formation for AM and HIP, post processing technologies and equipment"
4:20pm -4:40pm	Stress-Relief Annealing Window for Improved Tribological Performance Of LPBF Ti-6Al-4V Önler, Recep; Taşdelen, Tankut; Söylemez, Emrecan	Process Development Of H13 Wire For DED-LB/w With Coaxial Wire Feed Lau, Robert; Wang, Weitong; Imgrund, Philipp	Comparative Analysis of Mechanical Integrity and Wear Behavior of FDM-Fabricated 15% CF-reinforced PLA, Tough-PLA, and PLA Materials in Comparison with Cast Polyamide 6 Tascioglu, Emre; Gunessu, Emrah; Kaynak, Yusuf	
4:40pm-5:00pm	Influence of Pre- and Post-Weld Heat Treatments on the Microstructure and Weldability of SLM-Fabricated Ti-6Al-4V Erer, Şevval; Kandemir Bayraktar, İpek; Arslan, Ersin; Özcan, Alparslan	In-situ Defect Detection and Process Traceability in Wire Arc Additive Manufacturing Yenigül, Vahit Anıl; Önder, Gani Melik; Schubert, Randall; Çetinkaya, Mehmet Emre; Taşkın, Ubeydullah; Öncel, Eren; Meriç, Mehmet Emin	Investigation Of The Effect Of Curing Parameters On DLP Printing Resins Güneş Türker, Türkan; Porazan Çetin, Gaye; Çalhan, Aslıhan; Arslan, Ömer	Francois Bonjjjour 6K "Thermal Plasma Flow spheroidization of powders for AM and HIP"
5:00pm-5:20pm	Investigation of HIP Treatment Effects on the Mechanical Behavior of Ti-6Al-4V Lattice Structures Yaman, Koray; Kandemir, Ipek; Erer, Sevval; Kayihan, Mete; Kucukturk, Gokhan	Comparative Mechanical Performance of WAAM-Fabricated Al 6061-RAM2 and Al 6063 Alloys under Different Heat Treatment Conditions Göynük, Tansu; Can, Gökhan; Bol, Nevzat; Damgacı, Barış; Yılmaz, Oğuzhan; Dedeci, Oğuzcan; Yücel, Murat	Mechanical Characterization of PETG/TPU Blends for 3D Print Applications Ayan, Kemal; Özmen, Uğur; Saklakoğlu, Nurşen	

April 15, 2026

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	MAIN HALL	HALL B	HALL C	HALL D
	WAAM/DED Chair: Dr. Tuğçe Tekin	*Process* Chair: Dr. Özhan Kıtay	*Process* Chair: Dr. Nazım Babacan	*Special Session: HIP Process Theory and Mathematical Modeling* Co-Chairs: Cliff Orcutt, Yeşim Nur Gülcan
8:00am-8:20am				
8:20am -8:40am	Control Of Grain Structure In Arc Directed Energy Deposition (Arc/W) Of Titanium Alloys: The Influence Of Novel Alloying Elements And Refiners Gülletutan, Umut Can; Çavdarlı, Yiğit Can; Çerçi, Hüseyin Basri; Kalay, Yunus Eren	Simulation and Experimental Validation of Porosity Defects in Laser Powder Bed Fusion of Ti-6Al-4V Çoban, Umut; Ülke, İbrahim; Yılmaz, Oğuzhan	Bridging Active Cooling and Latent Heat Storage: The Critical Role of Additive Manufactured Lattice Topologies in Hybrid Thermal Management Koyuncu, Ahmet; Doğu, Orkun; Yağcı, Vedat; Köse, Haluk Anıl; Zengin, Arda	Dr. Yan Liu Simtec Soft “Holistic Modeling of HIP using AI and Digital Twins”
8:40am -9:00am	Fabricating Skeleton Structures Using Robotic WAAM System Şahin, Eyup Kağan; Odman, Tevfik Batuhan; Tirkeş, Süha; Yaman, Ulaş	Determination of the Printability Parameter Window in Pulsed Laser Melting Additive Manufacturing of Inconel 718 Powder Hızlı, Hüseyin; Gündüztepe, Onur; Güler, Özgün	Experimental Comparison Of Thermal And Hydraulic Performance Between Conventional And Additively Manufactured Cold Plates Doğu, Orkun; Köse, Haluk Anıl; Yağcı, Vedat; Koyuncu, Ahmet; Zengin, Arda; Kabukcu, Atakan	Dr.Benjamin Georgin Boston Metals “Formation of microstructure and properties during HIP of powder feedstock”
9:00am-9:20am	Investigation Of High-Temperature Mechanical Properties Of Inconel 718 Manufactured By LP-DED Method Arslan, Ersin; Kandemir Bayraktar, İpek; Erer, Şevval; Savaş Uygur, Cansu		Topology Optimization of a Load-Carrying Element for Mass Reduction and Improved Dynamic Performance Yavuz, Sezer; Çevik, Berkay	
9:20am-9:35pm	COFEE BREAK			

	MAIN HALL	HALL B	HALL C	HALL D
	Simulation and AI Chair: Dr. Kadir Günaydın	*Process* Chair: Dr. Mustafa Safa Yılmaz	*Process* Chair: Dr. Nazım Babacan	*Special Session: HIP Science and Technology* Co-Chairs: Cliff Orcutt, Yeşim Nur Gülcan
9:35am-9:55am	Comparison of Machine Learning Methods for Fatigue Life Prediction of Additively Manufactured Parts Rutci, Alimurtaza; Ece, Remzi Ecmel; Colak, Oğuz	Oxidation Behavior Of Oxide Dispersion Strengthened IN718 Produced By Selective Laser Melting Aktaş, Aylin; Hızlı, Hüseyin; Başkan, Mertcan	Robotic Wire Arc Additive Manufacturing of Large-Scale Stiffened Aerospace Shells: Process and Characterization Dedeci, Oğuzcan; Göynük, Tansu; Dursun, Ahmet Hakan; Yücel, Murat; Can, Gökhan	Dr. Victor Samarov Synertech P/M “Analysis of the HIP Paradigm for making Large Parts for Critical applications”
9:55am -10:15am	Shrink-Line Formation in LPBF: Mechanism and Numerical Detection Gunaydin, Kadir	Effect Of Reused Powder On Density/Porosity Of AlSi10Mg Parts Manufactured Via Selective Laser Melting Vural, Berrin Nur; Can, Serkan; Erdem, Giray; Yergök, Çağlar; Yılmaz, Olgun; Damar, Furkan; Canpolat, Tuna; Doğu, Orkun	Numerical Investigation Of Particle Feeding Rates On The Spheroidization Of Titanium Powders In RF-ICP Systems Ünal, İrfan; Ünal, Rahmi	
10:15am -10:30am	COFEE BREAK			
10:30am-12:00am	TAMA SUMMIT			