



UMTIK 2016

17th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION



JULY 12 - 15, 2016, BURSA, TÜRKİYE

CONFERENCE PROGRAMME

JULY 12, 2016 - TUESDAY - HALL DURMAZLAR

08:00	09:00	REGISTRATION
09:00	10:30	OPENING SPEECHES
10:30	11:15	Honorary Keynote Speaker: Prof. Dr. Yusuf ALTINTAŞ
		DIGITAL MACHINING
11:15	11:30	COFFEE BREAK
11:30	13:30	PANEL INDUSTRY 4.0 AND DEPLOYMENT OF "INTERNET OF THINGS" TECHNOLOGY IN PRODUCTION Moderator: Prof. Dr. Orhan Alankuş
13:30	14:30	LUNCH
14:30	16:10	SESSION1:
		GENERAL MACHINING PROCESS SIMULATION SOFTWARE Z. Murat KILIÇ, Yusuf ALTINTAŞ, Byron REYNOLDS
		MULTI-DIMENSIONAL MODELLING OF CHATTER STABILITY IN PARALLEL TURNING OPERATION Milad Azvar, Erhan Budak
		STABILITY OF ASYMMETRIC MILLING CUTTERS IN ROTATING COORDINATES Alptunc Comak, Orkun Ozsahin, Yusuf Altintas
ADAPTIVE MANUFACTURING WITH METROLOGY FEEDBACK Recep Karadayı		
16:10	16:30	COFFEE BREAK

JULY 12, 2016 - TUESDAY - HALL DURMAZLAR

		SESSION 2:
16:30	18:10	IN-PROCESS TOOL WEAR MONITORING IN INTERNAL BROACHING Jokin MUNOA, Iñigo BEDIAGA, Christian RAMIREZ, Kepa HUERTA, Christian KRELLA, Gabor STEPAN
		AN EXPERIMENTAL STUDY ON THE DEFORMATION BEHAVIOR OF THIN-WALLED WORKPIECES Johannes LOEHE, Sepp WIMMER, Michael HAIRER, Micheal F. ZAEH
		COMPARISON OF COATING MATERIALS AND SURFACE FINISHING TECHNIQUES IN HIGH PERFORMANCE MILLING OF AEROSPACE GRADE TITANIUM ALLOYS
		DETERMINATION OF TOOL POINT FRF OF MICRO TOOLS UNDER OPERATIONAL CONDITIONS USING ANALYTICAL METHODS Orkun Özşahin
20:00		COCTAIL

JULY 13, 2016 - WEDNESDAY

09:00	09:45	Keynote Speaker: Prof. Dr.-Ing. Michael F. ZÄH NEXT GENERATION HIGH PERFORMANCE SMART MACHINE TOOLS		
09:45	11:15	Hall 1	Hall DURMAZLAR	Hall 3
		A1	B1	C1
		Automotive Engineering I [10, 18,102]	SPECIAL SESSION Industry 4.0 for Machine Tools in Taiwan I [ST1, ST2, ST4]	Use of New Concepts in Manufacturing [22, 47, 66, 86]
11:15	11:30	COFFEE BREAK		
11:30	13:00	Hall 1	Hall DURMAZLAR	Hall 3
		A2	B2	C2
		Automotive Engineering II [17, 19, 54, 105]	SPECIAL SESSION Industry 4.0 for Machine Tools in Taiwan II [ST5, ST6]	Intelligent Systems [36, 38, 39, 100]
13:00	14:00	LUNCH		
14:00	14:45	SPONSORS SESSION		
14:45	16:15	Hall 1	Hall DURMAZLAR	Hall 3
		A3	B3	C3
		Otomotiv Mühendisliği I [15, 50, 51]	SPECIAL SESSION Additive Manufacturing (3-D Printing) Technologies I [SAM1, SAM2, SAM3]	Modeling and Simulation and their Applications in Industry [28, 29, 30,104]
16:15	16:30	COFFEE BREAK		

JULY 13, 2016 - WEDNESDAY

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		Hall 1	Hall DURMAZLAR	Hall 3
		A4	B4	C4
16:30	18:00	Otomotiv Mühendisliği II [61, 62, 83]	SPECIAL SESSION Additive Manufacturing (3-D Printing) Technologies II [SAM4, SAM5, SAM6, SAM7]	Machining and Non-Traditional Machining Processes [01, 68, 74, 81]
20:00		COCTAIL PROLONGE		

JULY 14, 2016 - THURSDAY

09:00	09:45	Keynote Speaker: Assoc. Prof. Dr. Stuart Barnes		
		ASSISTED MACHINING		
09:45	11:15	Hall 1	Hall DURMAZLAR	Hall 3
		A5	B5	C5
		Methodology for Machine Design [06, 40, 46, 101]	SPECIAL SESSION Cryogenic Machining I [CM1, CM2, CM3, CM4]	Metal Forming [02, 21, 99]
11:15	11:30	COFFEE BREAK		
11:30	13:00	Hall 1	Hall DURMAZLAR	Hall 3
		A6	B6	C6
		Design of Machines and their Applications I [34, 41, 44, 48]	SPECIAL SESSION Cryogenic Machining II [CM5, CM6, CM7]	Malzeme Karakterizasyonu [43, 45, 57]
13:00	14:00	LUNCH		
14:00	14:45	SPONSORS SESSION		
14:45	16:15	Hall 1	Hall DURMAZLAR	Hall 3
		A7	B7	C7
		Design of Machines and their Applications II [72, 73, 80, 97]	SPECIAL SESSION Cryogenic Machining III [CM8, CM9, CM10]	Material Characterization [37, 89, 94]
20:00	CONFERENCE DINNER			

JULY 15, 2016 - FRIDAY

Opening Speeches for the Brokerage Event				
09:00	09:45			
09:45	11:15	Hall 1	Hall DURMAZLAR	Hall 3
		A8	B8	C8
		Makina Tasarımı ve Uygulamaları [23, 24, 35]	STUDENTS SYMPOSIUM Session I S_SYMP_1, S_SYMP_2, S_SYMP_3, S_SYMP_4, S_SYMP_5	Talaşlı İmalat I [13, 25,32]
11:15	11:30	COFFEE BREAK		
11:30	13:00	Hall 1	Hall DURMAZLAR	Hall 3
		A9	B9	C9
		Endüstriyel Uygulamalar [14, 31, 60]	STUDENTS SYMPOSIUM Session II S_SYMP_6, S_SYMP_7, S_SYMP_8, S_SYMP_9	Talaşlı İmalat II [27, 63, 71]
13:00	14:00	LUNCH		
14:00	18:00	Brokerage Event		