09:00-9:30 Re	egistrations		er 02, 2017	
Hampton Events Center B				
confer	'enceseries. com	09:30-9:45	O pening	Ceremony
		Keynote I	orum	
	transport James F Woodward Title: The effects of bicone in hyperson heat transfer	d, California State Ur rarefaction and the	rmal non-equilibrium on the optimization for re	ssues of interstellar on a blunt body and a educing both drag and
		Group Photo @		
		Panel Disc Networking & Refres		1:05 @ Foyer Event Center
11:05-11:35	Title: Improved ha	=	ontrol of rotational me	
11:35-12:05		bility with autonomo se State University, US	ous and connected veh SA	icles
	high velocity impa Brendan J O Toole Title: Uncertainty a	ct loading , University of Nevad	a Las Vegas, USA ng: Past, present, and t	of structures subject to future
		Panel Discu	ission	
				x 13:05–13:45 @ Bora Bora
Engineering &	Bio-Mechanics He	eat Transfer Systems		Vehicle Navigation Bio
	gineering & Manag Fred Barez, San Jos	e State University, US	A	
				Session Introduction
13:45–14:05	-	angian equation for iversity of South Florid		
14:05–14:25	trailing edge modif	lication	-	ng edge, upper surface, and
14:25-14:45	-			pe design for use in thermal
		est Virginia University,	USA	
14:45-15:05			ne mounted on house	
			ce and Technology, Jor Magnus effect for spin	
15:05-15:25		ing Institute of Technol		ning nimea biolecine

15:25-15:45	Title: Effect of elastic deformation on the aerodynamic characteristics of a spinning projectile	
	Jintao Yin, Beijing Institute of Technology, China	
15:45-16:05	Title: One versus two: A different philosophy in simulated combat training	
	Antonio O Dourado, Federal University of Santa Catarina, Brazil	
Panel Discussion 16:05-16:15		
	Networking & Refreshment Break 16:15-16:30 @ Foyer Event Center	
16:30-16:50	Title: Optical sensing based on micro-scale resonators	
	Maurizio Manzo, University of North Texas, USA	
16:50-17:10	Title: Terra response: A subsurface anomaly detection system	
	Andrew D Lowery, Terra Response, LLC, USA	
17:10-17:30	Title: Innovation management case study on aircraft certification from mechanical	
	engineering point of view	
	Ahmet Feyzioglu, Marmara University, Turkey	
Panel Discussion		

Day 2October 03, 2017HamptonEvents Center B

Keynote Forum

09:30-10:00	Introduction Title: On the modeling and computer simulation of multiphase flow and heat transfer in thermal systems Michael Z Podowski, Rensselaer Polytechnic Institute,USA
10:00-10:30	Title: A professional life that took a non-linear path
	Mariusz Ziejewski, North Dakota State University, USA
	Panel Discussion
	Networking & Refreshment Break 10:30-10:45 @ Foyer Event Center
10:45-11:15	Title: Digitalization & aerospace: The next era of engineering simulations
	Rick James, SimuTech Group, USA
11:15-11:45	Title: Pulsatile flows in biomedical applications
	Michael W Plesniak, George Washington University, USA
11:45-12:15	Title: Magnesium based materials -from bio to light weighting
	Jagannathan Sankar, North Carolina A&T State University, USA
12:15-12:45	Title: In-Situ manufacturing in route to space exploration
	Fred Barez, San Jose State University, USA

Panel Discussion

Lunch Break 12:45-13:35 @ Bora Bora

Design & Development of Rockets | Space Engineering | Energy Processing | Mechanics, Dynamics and Controls | Vehicle Systems and Technologies | Bio Engineering & Bio-Mechanics | Design and Modelling of Aircraft and Helicopter Engines | Robotics and Mechatronics | Material Processing Session Chair: Vishwas Bedekar, Middle Tennessee State University, USA

Session Introduction

13:35-13:55	Title: The localized method of approximated particular solutions-a mesh less approach for solving multidimensional in compressible Navier-Stokes equations	
	D L Young, National Taiwan University, Taiwan	
13:55–14:15	Tittle: Study of magneto electric effect for sensing and energy harvesting applications	
	Vishwas Bedekar, Middle Tennessee State University, USA	

14.15 14.25	Title: Nonlinear Lyapunov control improved by an extended least squares adaptive feed forward controller and enhanced Luenberger observer
14:15–14:35	Peter Heidlauf, Air Force Institute of Technology, USA Matthew Cooper, Air Force Institute of Technology, USA
14:35–14:55	Title: Development of continualized models for the analytical study of nanoplates in buckling and vibration: principles and perspectives
	Florian Hache, Florida Atlantic University, USA
14 55 15 15	Title: Multi-fuel combustion using a dual signal plasma Igniter
14:55-15:15	Andrew D Lowery, Plasma Igniter, LLC, USA
15 15 15 25	Title: Development of an eccentric blade rotor rotary engine
15:15-15:35	Hsiao Kang Ma, National Taiwan University, Taiwan
15 05 10 55	Title: Sensitivity analysis for a single-shoe drum brake
15:35-13:55	Salwan Waheed, University of Missouri, USA
	Panel Discussion
	Networking & Refreshment Break 13:55-16:15 Foyer Event Center
16:15-16:35	Title: High level modelling and verification of in-cylinder diagnostics using a dual signal plasma Igniter
	Andrew D Lowery, Plasma Igniter, LLC, USA
	Title: Variational method for the calculation of efficient paths with gravitational assist
16:35-16:55	Jorge Luis Nisperuza Toledo, Fundación Universitaria Los Libertadores, Colombia
16:55-17:15	Title: Size-controlled colloidal synthesis of monodisperse siloxane-based PDMS
	nanoparticles
	Taejong Paik, Chung-Ang University, South Korea
	Panel Discussion

Day 3 October 04, 2017			
Hampton Events Center B			
Keynote Forum			
09:45-10:15	Title: Review of the state of the art and new mathematical formulations for solutions of the incompressible Navier-Stokes equations in velocity and pressure derivatives"		
	Shaaban Abdallah, University of Cincinnati, USA		
10:15-10:45	Title: Multiscale dynamic modelling of thin and periodic structures		
10:15-10:45	Julius Kaplunov, Keele University, UK		
10:45-11:15	Title: Vibration and stability analysis of high speed rotating annular disks and rings		
10:45-11:15	Hamid R Hamidzadeh, Tennessee State University, USA		
	Panel Discussion		
	Networking & Refreshment Break 11:15-11:30 @ Foyer Event Center		
11.20-12.00	Title: Fundamental principles of gyroscope theory		
11:30-12:00	Ryspek Usubamatov, Kyrgyz State Technical University, Kyrgyzstan		
12:00-12:30	Title: Solving a half-dozen Sherlock Holmes-style mysteries in space		
	Tom Logsdon, University of California, USA		
12:30-13:00	Title: : Natural fiber for automobile and aerospace components design		
	Sheldon Q Shi, University of North Texas, USA		
Panel Discussion			
	Lunch Break 13:00-13:40 @ Bora Bora		

13:40–14:10	Title: Atomization of liquid jets and droplets: Theory and models		
	Prashant Khare, University of Cincinnati, USA		
14:10-14:40	Title: Theory of electromagnetism and gravity modeling earth as a rotating solenoid coil		
	Greg Poole, Industrial Tests Inc, USA		
Robotics and I	Mechatronics Material Processing Airship Design & Development Mechanics,		
Dynamics and	Controls		
Session Chair: Mark N Callender, Middle Tennessee State University, USA			
	Session Introduction		
14:40-15:00	Title: The machining of Haynes 188 nickel based aero space material with ceramic cutting tool		
	Abdullah Altin, Yuzuncu Yıl University, Turkey		
	Title: First-principles based multiscale multiphysics approaches for integrated computational materials engineering		
15:00-15:20			
	Yao Fu, University of Cincinnati, USA		
15:20-15:40	Title: Investigation of energy consumption on thread machining of austempered ductile cast iron materials		
	Hasan Oktem, Kocaeli University, Turkey		
15:40-16:00	Title: Effect of engine location on flutter speed and frequency of a tapered viscoelastic wing		
15:40-10:00	Youssef S Matter, United Arab Emirates University, UAE		
	Panel Discussion		
	Networking & Refreshment Break 16:00-16:20 @ Foyer Event Center		
	Video Presentation		
16:20-16:40	Tittle: Terrestrial or ambient pressure effects on pore shape in solid		
10:20-10:40	Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan		
	Posters Sessions		
16:40-17:00	Title: Finite deformation of thin-wall composite spheres		
	Gidon Weil, Ben-Gurion University, Israel		
	Panel Discussion		
	Award Cermony & Closing Ceremony		