

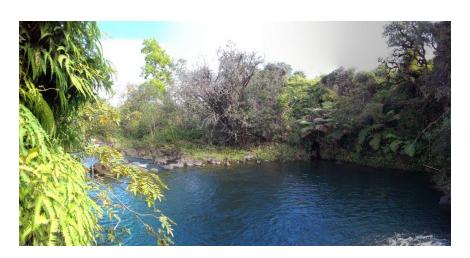
SoSE2017 app on Google Play







System of Systems Engineering Conference



12th Annual System of Systems Engineering Conference
Conference Theme:













SUNDAY



3:30p Registration



5:00p Reception @Grand Staircase

6:00p

MONDAY

07:45 Registration @Kona Promenade

08:40 Welcome @Kona IV Keynote @Kona IV 09:00

Mr. Alan Harding†

Global Challenges for Systems Engineering and the vital role of SOS Engineering

10:00 Break @Kona Promenade MAX @Kona IV MAY @Kona I 10:30

Robotic Systems, Special Session -UAVs, ROVs, Systems Governance and Drones, etc. (A) Policy

11:30 Lunch Keynote @Kona IV 1:00p

Session

MA*

Garry Roedler†

& Judith Dahmann† The Future of Systems of Systems – Or is the future here today? Or are we back to the future?

2:00p 2:30p Session

Break @Kona Promenade MPX @Kona IV MPY @Kona I Robotic Systems, SoSE Simulation, UAVs, ROVs, Modeling and Analysis Methods Drones, etc. (P)

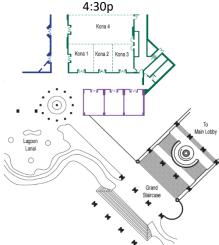
мР* 3:30p

MLX @Kona IV Session

UAVs, ROVs, ML*

Robotic Systems,

Drones, etc. (L)







ORGANIZING COMMITTEE

Founding Chair:

• Mo Jamshidi, University of Texas San Antonio,

Conference General Chair:

Ferat Sahin, Rochester Institute of Technology,

Program Co-Chairs:

- Matthew Joordens, Deakin University, Australia
- **Organized Sessions Chair:**
- Mo Mansouri†, Stevens Institute of Technology,
 Oliver Maurice, France USA

Industrial Organized Sessions Chair:

Tod Schuck, Lockheed Martin, USA

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Web:

- Shitij Kumar (EDAS Conference Service):
- · Celal Savur (Webmaster)

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 - K Murai
 - E Nakagawa
 - S Nazir
 - C Neureiter
 - M Nikolaidou
 - K Øvergård
 - R Patel
 - S Pettersen
 - J Pullen
 - A Rad
 - M Rajabalinejad G Rebovich
 - S Reed

TUESDAY

07:45	Registration
	@Kona Promenade
08:00	Panel I @Kona IV
	Garry Roedler (Moderator)
	Reggie Cole [†] , Dr. Stephen Cook,
	Dr. Judith Dahmann†,Alan Harding†

Dr. Mike Yokell

Keynote @Kona IV 9:00



Dr. Mark E. Davis Review of LPWA standards and systems

10:00 Break @Kona Promenade Keynote @Kona IV 10:30

Lunch



Dr. John Fumo Implementation of distributed sensing in loosely coupled fabrics

11:30 1:00p



Keynote @Kona IV Prof. Ian Gibson How 3D Printing may change

2:00p

2:30p Session

TP* 3:30p Session

@ Kona IV @ Kona I Big Data SoSE Arch., Internet of Anal., Cloud Design and Comp., Svc. V & V Control Methods Oriented Arch TLY TLZ TLX @Kona IV @Kona I Big Data SoSE Arch., Defense, Anal., Cloud Design and Space, **TL*** Comp., Svc. V & V National Oriented Methods Security Arch. / Enterprise & Business. Arch.

4:30p

7:00p 9:00p the manufacturing world as we know it Break @Kona Promenade TPX TPZ @ Kona III @ Kona III

4:30p Banquet @Lagoon Lanai

4:15p

WEDNESDAY

07:45	Registration
	@Kona Promenade
08:00	Panel II @Kona IV
	Mo Jamshidi (moderator)
	Gary Langford†,
	Kristin Giammarco†,
	Timothy LJ Ferris†,
	Paul C. Hershey

WAX

@ Kona IV

9:00

Session wA*

Smart Grid Technologies. SoSE Availability, Maintainability, Reliability. Resilience.

MIsc. (Energy, Special Session -Alternative Research Proposals Engineering Emergence Safety, etc.)

WAY

@Kona I

10:00 Break Keynote @Kona IV 10:30 Prof. Micheal

> Henshaw† Modeling and Simulation for Cyber-

Keynote @Kona IV

Prof. Imre J. Rudas

Internet of Anything as

WPY

@Kona I

(Human

Centered.

a Pillar of Intelligent

Physical Systems 11:30 Lunch



System of Systems 2:00p Break

2:15p Session wP*

3:00p

4:00p

Keynote @Kona IV Prof. Francois

SoSE Challenges in IoT

@ Kona IV

Automotive

based Systems

Coallier

Future SoSE planning 4:30p

• J de Kleer

S Dersten

KEYNOTES

MONDAY



Mr. Alan Harding†
President of INCOSE

Global Challenges for Systems Engineering and the vital role of SOS Engineering

9:00am

chair: Garry Roedler†



GARRY ROEDLER†
INCOSE President-Elect, Lockheed Martin Senior Fellow
JUDITH DAHMANN†
Senior Principal Systems Engineer at MITRE
The Future of Systems of Systems – Or is the future

here today? Or are we back to the future?

1:00pm chair: Mo Jamshidi

TUESDAY



DR. MARK E. DAVIS

Vice President of Platform Engineering Group and Chief

Technology Officer of CDMA Products and Development, Intel Corporation

Review of LPWA standards and systems

9:00am

chair: Ted Shaneyfelt



DR. JOHN FUMO Kona Scientific, Hawaii USA

Implementation of distributed sensing in loosely coupled fabrics

10:30am chair: Ted Shaneyfelt

Chair: Teu Shar

KONA I ROOM WEDNESDAY JUNE 21ST Session WAY CHAIR: JAMSHIDI The Making of a System of Systems: Ontology Reveals the True Special Session - Alternative Research Proposals for Engineering Nature of Emergence Gary Langford† (Portland State University, USA); Teresa Langford (Portland Community College, USA) Paper #1570340366 **Session WAY** Room Kona I Practical Modeling Concepts for Engineering Emergence in Systems of Systems Kristin Giammarco[†] (Naval Postgraduate School, USA) Emergence Paper #1570346500 **Session WAY** Room Kona I Emergence as a Subject of Research, Research Methods, and **Engineering Knowledge and Practice** Timothy LJ Ferris[†] (Cranfield University, United Kingdom) Paper #1570345407 Room Kona I Multi-dimensional Information Filter for Space-Based Platforms (MIFS) Paul C. Hershey (Raytheon, Inc., USA) Paper #1570349685 Session WAY Room Kona I KONA I ROOM WEDNESDAY JUNE 21ST Session WPY CHAIR: SEONG A System of Systems Approach to Patient Treatment with the Left

A System of Systems Approach to Patient Treatment with the Left
Ventricular Assist Device
Viswajith Vasudevan and Marwan A. Simaan (University of Central Florida, USA)

Paper #1570340231
Room Kona I

Human Machine Interface in the Internet of Things (IoT)
Joseph Nuamah and Younho Seong (North Carolina A&T State University, USA)

Paper #1570347159
Room Kona I

Towards an Approach for Analyzing Trust in Cyber-Physical-Social
Systems
Mohamad Gharib, Paolo Lollini and Andrea Bondavalli (University of Florence, Italy)

Paper #1570340931

Rev 6.12.5

Session WPY

(Human Centered, etc.)

Note: **Boldface** *indicates presenting author*.

Room Kona I

KONA IV ROOM WEDNESDAY JUNE 21 Session WAX CHAIR: GIAMMARCO

oSE Availability, Safety, etc.)	Systems Architecture Stephen Rambikur (Naval P Center, USA); Kristin Giamn School, USA) Session WAX	ost Graduate School & N	
nologies/S Resilience,	A Design Flow with Int Faults in Safety-Critica Wei Yan, Daniel Fontaine, L Connecticut, USA)	l Systems	A Chandy (University of Paper #1570344409 Room Kona IV
lsc. (Energy, Smart Grid Tech Maintainability, Reliability,	Distributed Data Fusion Orakanya Kanjanatarakul (Denoeux† (Université de Te Session WAX Developing the Stakeh Journey of Customizat Simon Aasheim (HENT AS, N	Chiang Mai Rajabhat Uni echnologie de Compiègn nolder Requirement tion	iversity, Thailand); Thierry e, France) Paper #1570344197 Room Kona IV s Definition Process - A
<u>=</u>	L J Simon Austrelli (HEIVI AS, I	tortian, rang rang zirac	, torniversity conege of

KONA IV ROOM WEDNESDAY JUNE 21ST SESSION WPX CHAIR: STRAUB

An Internetworked Self-Driving Car System of Systems

Jeremy Straub, Wafaa Amer, Christian Ames, Karanam Dayananda, Andrew Jones, Goutham Miryala, Nathan Olson, Noah Rockenback, Franklin Sslaby, Santipab Tipparach, Samuel Fehringer, David Jedynak, Haiming Lou, Dakota Martin, Marc Olberding, Austin Oltmans, Alec Witte, Brady Goenner, Jessie Lee and Dylan Shipman (North Dakota State University, USA)

Paper #1570344839
Session WPX Room Kona IV

CyberSecurity Considerations for an Interconnected Self Driving Car System of Systems

Jeremy Straub, John McMillan, Brett Yaniero, Mitchell Schumacher, Abdullah Almosalami, Kelvin Boatey and Jordan Hartman (North Dakota State University, USA)

Paper #1570345560

Paper #1570335723

Room Kona IV

Session WPX Room Kona IV

K. Tehrani (ESIGELEC-IRSEEM, France)

Southeast Norway, Norway)

Session WAX

K. Tenrani (ESIGELEC-IKSEEIVI, France)

Paper #1570345528
Session WPX Room Kona IV

KEYNOTES

TUESDAY (CONTINUED)

IAN GIBSON

Professor of Industrial Design & Head of School and School of Engineering Deakin University, Australia

How 3D Printing may change the manufacturing world as we know it

1:00pm

chair: Matthew Joordens



WEDNESDAY

PROF. MICHAEL HENSHAW† Loughborough University, UK

Modeling and Simulation for Cyber-Physical Systems

10:30am

chair: Mo Jamshidi



PROF. IMRE J. RUDAS Óbuda University, Budapest, Hungary

Internet of Anything as a Pillar of Intelligent System of Systems

1:00pm

chair: Ferat Sahin



PROF. FRANCOIS COALLIER
Ecole de Technologie Superieure, Canada

SoSE Challenges in IoT based Systems

3:00pm

chair: Paul Hershey



† INCOSE Members

	KONA IV ROOM MONDAY JUNE 19TH SESSI	ION MAX CHAIR: KUMAR
_	A Novel 3D printed leg design for a Biped Matthew Haywood and Ferat Sahin (Rochester Insti	
Robotic Systems, UAVs, ROVs, Drones, etc. (1 of 3)	Session MAX	Paper #1570346575 Room Kona IV
nes, etc	A Novel Hexapod Robot Design with Flight Mark Pitonyak and Ferat Sahin (Rochester Institute	
Vs, Dro	7. OT Session MAX	Paper #1570345434 Room Kona IV
AVs, RC	A Framework for an Adaptive Human-Rob	
tems, U	in industry Shitij Kumar and Ferat Sahin (Rochester Institute of	Technology, USA) Paper #1570345503
otic Sys	Session MAX E Quadruped Implementation Using Paralle	Room Kona IV I Jointed Leg Architecture
Rob	Steven Giewont and Ferat Sahin (Rochester Institute	e of Technology, USA) Paper #1570345421
	Session MAX	Room Kona IV
	KONA IV ROOM MONDAY JUNE 19TH SES	
of 3)	Multi-Pursuer Pursuit-Evasion Games Unc Uncertainty: A Monte Carlo Approach Shahriar Talebi and Marwan A. Simaan (University of	of Central Florida, USA) Paper #1570340685
Robotic Systems, UAVs, ROVs, Drones, etc. (2 of 3)	Session MPX A Deep Vision Landmark Framework for R Abhijith Ravikumar Puthussery, Karthik Haradi, Patri Rad and Mo Jamshidi (University of Texas at San Ant	ck J Benavidez, Berat A. Erol , Paul tonio)
s, Dr	Session MPX	Paper #1570345652 Room Kona IV
UAVs, ROV	Improved Route Optimization for Autonoma Navigation Ubrahim Mohammed, Berat A. Erol, Ikram Mohammed	mous Ground Vehicle
ems,	☐ Jamshidi (University of Texas at San Antonio)	Paper #1570345584
yste	Session MPX	Room Kona IV
Robotic S		nterface
	of Texas at San Antonio)	Paper #1570247207
	Session MPX	Paper #1570347307 Room Kona IV

KONA I ROOM TUESDAY JUNE 20TH SESSION TLY CHAIR: OQUENDO Architecturally Describing the Emergent Behavior of Software-intensive System-of-Systems with SosADL

Flavio Oquendo (IRISA (UMR CNRS) - University of South Brittany, France) Paper #1570340809

Session TLY Room Kona I

A Novel Methodology for Retrofitting CNC Machines Based on the Context of Industry 4.0

SoSE Architecture, Design and V & V Methods Romulo Lins (Faculdade SENAI Mariano Ferraz, Brazil); Robert Schmitt (Laboratory for Machine Tools and Production Engineering WZL, Germany); Bruno Guerreiro

(Fraunhofer Institute for Production Technology, Germany); Marcio Corazzim (Faculdade SENAI Mariano Ferraz, Brazil); Francis Silva (Thyssenkrupp, Brazil)

Session TLY

Paper #1570340951

Evaluating a computational support tool for set-based configuration of production systems

Room Kona I

Johannes Unglert, Sipke Hoekstra and Juan Jauregui-Becker (University of Twente,

Faculty of Engineering Technology, Enschede, The Netherlands) Paper #1570340786

Room Kona I A Conceptual Model for Analyzing Information Quality in System-of-

Systems Mohamad Gharib, Paolo Lollini and Andrea Bondavalli (University of Florence, Italy)

Paper #1570340925 Room Kona I **Session TLY**



Banquet 7pm at Lagoon Lanai

		Kona IV Room TUESDAY JUNE 20	TH Session TLX Chair: Rad	
2 of 2)		A Deep Learning Approach for N Sharaj Panwar, Arun Das, Mehdi Roopa Antonio, USA)	Mapping Music Genres ei and Paul Rad (Universiity of Texas at San	
Arch. (2	Enterprise and Business Architecture	Session TLX	Paper #1570345535 Room Kona IV	
Big Data Analytic, Cloud Computing, Svc. Oriented Arch. (2 of 2)			Iniversity of Texas at San Antonio, USA); i (University of Texas at San Antonio, USA)	
ıting	nsin(Session TLX	Paper #1570341909 Room Kona IV	
Cloud Compu	prise and Bu	Enabling Design of Agile Securit Barry Papke† (No Magic Inc, USA)		
tic, (inte	4:	Paper #1570340698	
aly:	_	Session TLX	Room Kona IV	
Big Data A		Rabia Khan†, Clifford Whitcomb† and R School, USA)	cies for Enterprise Transformation onald Giachetti (Naval Postgraduate Paper #1570341069	
		Session TLX	Room Kona IV	
	ا	Kona III Room TUESDAY JUNE 20	TH Session TLZ Chair: Enos	
	b	Defining an Enterprise Lead System Warren K. Vaneman† (Naval Postgraduate S Institute of Technology, USA)		
rity	33	, , , , , , , , , , , , , , , , , , ,	Paper #1570340859	
ecn		Session TLZ	Room Kona III	
al S	_	Using Social Network Analysis to Q	uantify interoperability in a Large	
Defense, Space, National Security		System of Systems James Enos and Roshanak Nilchiani (Stevens Institute, USA)		
ace,	.·.		Paper #1570339163	
Sp		Session TLZ	Room Kona III	
nse,		Trends in Large Scale Systems-of-Sy	stems for Multi-National Missile	
Defer	00	Defense Tod Schuck (Lockheed Martin & Rowan Uni Martin, USA)	versity, USA); James Kilian (Lockheed	
	4	Session TI 7	Paper #1570340879	
		Session TLZ	Room Kona III	

† INCOSE Members

KONA I ROOM MONDAY JUNE 19TH Session MAY CHAIR: HOFFENSON Emergence as Innovation in Systems of Systems - a Three Systems Model Thomas A McDermott, Jr[†] (Georgia Tech Research Institute & Georgia Tech Sam Nunn School of International Affairs, USA); Molly Nadolski (Georgia Institute of Technology, USA) Paper #1570345612 and Session MAY Room Kona I ☐ Incentivising the Dissemination of Truth Versus Fake News in Social Special Session - Systems Governance Networks Abbas Ehsanfar and Mo Mansouri† (Stevens Institute of Technology, USA) Paper #1570347637 Room Kona I Sustainability policy-making as a dynamic, agent-based system of systems Steven Hoffenson (Stevens Institute of Technology, USA) Paper #1570348363 Room Kona I □ Applying Social Network Analysis to Systems of Systems: The Case of the 2016 Puerto Rico Power Outage James Enos, Mo Mansouri† and Roshanak Nilchiani (Stevens Institute, USA) Paper #1570339409 Session MAY Room Kona I KONA I ROOM MONDAY JUNE 19TH SESSION MPY CHAIR: COLE € Identifying Decision Patterns Using Monterey Phoenix Sohn Quartuccio, Kristin Giammarco† and Mikhail Auguston (Naval Postgraduate Paper #1570341093 School, USA) Session MPY Room Kona I Deriving Stochastic Properties from Behavior Models Defined by Simulation, Modeling and Analysis Methods Monterey Phoenix John Quartuccio, Kristin Giammarco[†] and Mikhail Auguston (Naval Postgraduate School, USA) Paper #1570345214 Session MPY Room Kona I Data Dependency Network Analysis in SoS Reggie Cole[†] (Lockheed Martin Corporation, USA) Paper #1570338483 Session MPY Room Kona I Modeling Human-Technology Interaction as a Sociotechnical System E of Systems Jessica Turnley (Galisteo Consulting Group Inc, USA); Amanda Wachtel, Karina Munoz, Matthew Hoffman, John Gauthier, Ann Speed and Robert Kittinger (Sandia National Laboratories, USA) Paper #1570339824 Session MPY Room Kona I System of Systems Architecture Feasibility Analysis to Support Ronald Giachetti, Eugene Paulo, Paul Beery and Alejandro Hernandez (Naval Postgraduate School, USA); Stephen Gillespie (United States Military Academy & United States Army, USA) Paper #1570340877

Room Kona I

Session MPY

	KONA IV ROOM MONDAY JUNE 19TH SESSION N	ILX CHAIR: CHAMPION	
of 3)	Design and Development of a Low-Cost Autor Benjamin Champion (Deakin University, Australia); Van T Australia); Gokul Thirunavukkarasu, Lachlan Patrick, Lloy Matthew Joordens (Deakin University, Australia)	hanh Huynh (Colleague,	
. (3	m	Paper #1570345550	
etc	Session MLX	Room Kona IV	
ROVs, Drones, etc. (3 of 3)	Eye Sensor for Swarm Robotic Fish Nnamdi Elege, Suhasini Solapurkar and Matthew Joordens (Deakin University, Australia)		
	M Courter May	Paper #1570344806	
Ά.	Session MLX	Room Kona IV	
Robotic Systems, UAVs,	Implementation of Automated Vanilla Pollina Prototype Tuan Giang, John Kuroda and Ted Shaneyfelt (University		
şyst	Session MLX	Room Kona IV	
tic S			
Robot	Xin Zhou, Weiping Wang, Xiaobo Li, Tao Wang and Zhife Defense Technology, P.R. China)	i Li (National University of	
	4	Paper #1570352258	
	Session MLX	Room Kona IV	
	KONA IV ROOM TUESDAY JUNE 20TH SESSION T	PX CHAIR: BENAVIDEZ	
2)	The Internet of Simulation: Enabling Agile Mo	del Based Systems	
Data Analytic, Cloud Computing, Service Oriented Archi. (1 of 2)	Engineering for Cyber-Physical Systems Stephen Clement and David McKee and Richard Romano and Jie Xu (Leeds University, United Kingdom); Jose Lopez (Simware Solutions, Spain); David Battersby (Jaguar Land Rover, United Kingdom)		
tec	Cassian TDV	Paper #1570340957	
rien .	Session TPX	Room Kona IV	
e O	Model-based Assessment of QoS Adaptation	in Complex Networked	
g, Servic	Systems Kaliappa Ravindran, Yassine Wardei and Michael lannelli USA)		
utin	Session TPX	Paper #1570344848 Room Kona IV	
du.			
Ö	Pedestrian Detection System Using Deep Convolutional Neural		
;, Cloud	Networks Jonathan Lwowski, Prasanna Kolar, Patrick J Benavidez, Paul Rad, John J Prevost and Mo Jamshidi (University of Texas at San Antonio)		
ytic	m	Paper #1570345515	
nal	Session TPX	Room Kona IV	
A b	E Deep Voice Identification		
Dat	Andrew Boles and Paul Rad (University of Texas San Antonio, USA)		
Big		Paper #1570345545	
	Session TPX	Room Kona IV	

† INCOSE Members

	KONA I ROOM TUESDAY JUNE 20TH SESSION T	PY CHAIR: GIACHETTI
	□ Quality metrics for descriptive models in mod	el based systems
	engineering	
sp	Ronald Giachetti (Naval Postgraduate School, USA)	Paper #1570340808
tho	Session TPY	Room Kona I
ž	☐ Architecture Modeling Software Analytics: Mo	odel quality and
ø	maturity assessment using automated tools	
nd \	Kristin Giammarco† (Naval Postgraduate School, USA)	Paper #1570345349
SoSE Architecture, Design and V & V Methods	Session TPY	Room Kona I
esig	Comprehensive Use Case Scenario Generation	n: An Approach for
.e, П	Modeling System of Systems Behaviors Kristin Giammarco ⁺ , Clifford Whitcomb ⁺ and Kathleen Giles	(Naval Postgraduato School
ctul	USA)	(Navai Posigraduate Scriooi,
hite	m Tour	Paper #1570341061
Arc	Session TPY Red Teaming in the Age of IOT: Thoughts	Room Kona I
OSE	Generation of Technical Vulnerability Assessn	
0,	Richard Craft, II (Sandia National Labs, USA)	
	Session TPY	Paper #1570341050 Room Kona I
	3E33IUII I F I	
	T 20	
	KONA III ROOM TUESDAY JUNE 20TH SESSION	TPZ CHAIR: KELLEY
	An IoT Self Organizing Network for 5G Dense	TPZ CHAIR: KELLEY
	An IoT Self Organizing Network for 5G Dense	TPZ CHAIR: KELLEY Network Interference
	An IoT Self Organizing Network for 5G Dense	TPZ CHAIR: KELLEY Network Interference
lo.	An IoT Self Organizing Network for 5G Dense Alignment Online Anil Kumar Yerrapragada and Brian T Kelley (University on the control of the con	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200
ontrol	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University o	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III
/ Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III
ings / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University o	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the
f Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems Internet-of-Things with SosADL	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the Brittany, France)
et of Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems Internet-of-Things with SosADL	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the
ternet of Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems Internet-of-Things with SosADL Flavio Oquendo (IRISA (UMR CNRS) - University of South Session TPZ Using a Systems of Systems modeling approach	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the Brittany, France) Paper #1570344966 Room Kona III
Internet of Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems Internet-of-Things with SosADL Flavio Oquendo (IRISA (UMR CNRS) - University of South Session TPZ Using a Systems of Systems modeling approach Industrial Internet of Things applications	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the Brittany, France) Paper #1570344966 Room Kona III ch for developing
Internet of Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing System Internet-of-Things with SosADL Flavio Oquendo (IRISA (UMR CNRS) - University of South Session TPZ Using a Systems of Systems modeling approach Industrial Internet of Things applications Aurelijus Morkevicius† (Kaunas University of Technology	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the Brittany, France) Paper #1570344966 Room Kona III ch for developing v & No Magic Europe,
Internet of Things / Control	An IoT Self Organizing Network for 5G Dense Alignment Anil Kumar Yerrapragada and Brian T Kelley (University of Session TPZ Software Architecture of Self-Organizing Systems Internet-of-Things with SosADL Flavio Oquendo (IRISA (UMR CNRS) - University of South Session TPZ Using a Systems of Systems modeling approach Industrial Internet of Things applications	TPZ CHAIR: KELLEY Network Interference f Texas at San Antonio, USA) Paper #1570345200 Room Kona III ems-of-Systems for the Brittany, France) Paper #1570344966 Room Kona III ch for developing v & No Magic Europe,

Room Kona III

Session TPZ