

1ST INTERNATIONAL CONFERENCE ON SMART TOURISM, SMART CITIES AND ENABLING TECHNOLOGIES

(The Smart Conference)

May 1-4, 2019

Rosen College of Hospitality Management, Orlando, Florida, USA

Panel discussion-1 (Wednesday, May 1, 2019, 1600-1700 (4 p.m. – 5 p.m.)

Panel Topic: Governments putting smart to work for innovative transformation, citizen engagement and social impact.

This panel of Florida resident industry experts will share their insights about the strength of public and private partnerships that lead to great innovation and transformational success.

Panel Moderator and Panelist 1: Brigitte Sollie serves as the North America Government and Higher Education Industry Advocate focused on Cloud, Watson/AI, and Security.

Prior to IBM, she owned and operated a Cyber Security Investigation company. She also served as Deputy Chief Information Officer and Chief Information Security Officer of the Ohio Department of Public Safety leading enterprise agile transformations and was a chairperson on the Governor's Board of Directors for State Consolidation and Optimization. Most of her career she led Cyber-Crime Investigation, Data Analysis and Intelligence, and Computer Forensics teams focused on financial, healthcare/pharmaceutical, insurance, cyber security, and internal investigations.

Panelist 2: Beth F. Tracy serves as IBM Corporate Citizenship Territory Manager. She supports local, state and national community endeavors and provides extensive internal and external education and awareness of these initiatives, with intensified focus on three pillars to include education/skills, health, and community resiliency. Prior to nearly 19 years at IBM, Beth worked for the Texas Association for the Gifted and Talented; Universal Studios Florida marketing, sales, and promotions; Harcourt Brace Jovanovich, Inc. publishing company and Merrill Lynch. Beth serves on the Florida Chamber of Education Foundation Board as well as the CareerSource Florida – Apprenticeship, Governance & Policy Work Group.

Panelist 3: Amy Freeman serves as the IBM Lead Technical Advisor focusing on Government and Higher Education. Her areas of focus include Cloud, Watson AI, Analytics, Blockchain and high-performance computing. Amy began her career as a scientific programmer at Oak Ridge National Labs. Since then, she has gained years of experience advising, developing, and architecting innovative and complex IT solutions for public and private sector companies ranging from small startups to the large Fortune 500.

Panel discussion-2 (Wednesday, May 1, 2019, 1600-1700 (4 p.m. – 5 p.m.)

Topic: Smart Tourism

Moderator: Dr. Tingting Zhang



Dr. Tingting (Christina) Zhang is an assistant professor at Rosen College of Hospitality Management, University of Central Florida, FL. U.S.A. She also serves as Assistant Editor of Journal of Hospitality and Tourism Technology, which is the only journal dedicated solely for research in technology and e-business in tourism and hospitality. Her research interests include co-creation, social media marketing, mobile technology, smart technology, and customer engagement. Dr. Zhang holds a Ph.D. and master's degrees in Consumer Sciences from the Ohio State University, OH. U.S.A. And a bachelor's degree in Tourism Marketing from Beijing International Studies University, Beijing, China.



Professor Daniel Fesenmaier received his Ph.D. in geography from Canada's University of Western Ontario. He has taught at the University of Oklahoma, Texas A&M University, Indiana University, the University of Illinois and Temple University. Dr. Fesenmaier is author of a number of articles dealing with tourism marketing, advertising evaluation and information technology. He has co-authored a book and a monograph and co-edited five books focusing various aspects of tourism marketing, information technology and development. Dr. Fesenmaier is co-founding editor of *Tourism Analysis*; past Editor-in-Chief, *Journal of Information Technology and Tourism*, and is Editor of the Foundations in Tourism Research Series in the *Journal of Travel Research*. He is a Fellow, International Academy for the Study of Tourism; an adjunct Professor, Modul University – Vienna; and Co-founder, Tourism Education Futures Initiative. Dr. Fesenmaier's leadership has been recognized whereby he has received many awards for excellence in research and teaching including the Travel and Tourism Research Association (TTRA) Lifetime Achievement Award (2013), the Hannes Werthner Tourism and Technology Lifetime Achievement Award (2013), The Michael D. Olsen Research Award from the University of Delaware (2010) and the Medal of Exceptional Scholarly Achievement (CPTHL, 2007). Specialties: Research and teaching interests focus on tourism marketing, information and decision making, information technology and tourism.



Professor Dimitrios Buhalis is a Strategic Management and Marketing expert with specialisation in Information Communication Technology applications in the Tourism, Travel, Hospitality and Leisure industries. He is the Head of Department of Tourism and Hospitality, Director of the eTourism Lab and Deputy Director of the International Centre for Tourism and Hospitality Research, at Bournemouth University in England. In 2018 Bournemouth University was ranked 8th in the QS World University Rankings for Hospitality & Leisure Management. He is also the First Vice

President of the International Academy for the Study of Tourism, an Executive Board Member of the United Nations World Tourism Organisation (UNWTO) Affiliate Members and the Editor in Chief of the most established Journal in Tourism: *Tourism Review*, now in its 73rd volume. Dimitrios is a Founding Member and past President (2010-2014) of the International Federation for Information Technologies in Travel and Tourism (IFITT). Professor Buhalis' work is referenced widely, being the 3rd most cited for tourism and 1st most cited for hospitality on Google Scholar with more than 31500 citations and h-index 76. Dimitrios current research focus includes: Smart Tourism, Social Media Context and Mobile Marketing (SoCoMo), Augmented Reality, Experience Management and Personalisation, Reputation and Social Media Strategies, Accessible and Special Diet (Alergens) Tourism. He frequently delivers keynote presentations, speeches, seminars and workshops in both academic and professional conferences globally. He has close collaborations with industry, governments and international organisations worldwide.



Dr. Timothy Jung is the Founder and Director of the Creative AR & VR Hub and Head of MMU AR & VR Research Group at Manchester Metropolitan University, UK. He has been involved in a number of funded AR & VR research projects at national and international level. He is an advisor of BirdHIVE VR & Drone project led by Lake District National Park, UK and Co-Director of AquaTravellers, social enterprise to help raise funds for WaterAid. His research interests include AI, IoT, Big Data and 5G powered immersive technology innovation for well-being and quality of life. He is renowned for his work in Augmented Reality and Virtual Reality in tourism, cultural heritage, education & training and health care and he extensively published in these areas

with over 100 journal articles, book chapters and conference papers. Dr. Jung co-authored of 3 books including *Augmented Reality and Virtual Reality* which was the most downloaded book in Business and Management in 2018. He is a recipients of several best paper awards at international conferences as well as journal paper of the year awards including Emerald Literati Award in 2018. His research work has been covered by Manchester Evening News, TechNorth, VRFocus, TechRadar, Independent and Huffington Post and he is a regular invited and keynote speaker in major international conferences. He is the Conference Chair of International AR & VR Conference 2019 in Munich.



Dr. Arthur Huang is an Assistant Professor affiliated with Rosen College of Hospitality Management and College of Engineering and Computer Science at the University of Central Florida (UCF). Dr. Huang earned his Ph.D. in Civil Engineering from the University of Minnesota. He also holds Masters Degrees in Urban and Regional Planning and in Computer Engineering. He is a Faculty Fellow of UCF's Smart City Initiative. His research focuses on smart tourism, social impact of smart technologies, planning for sustainability, and big data analytics. He has published extensively in peer-refereed journals in computer, simulation,

transportation, and urban systems. He also has led projects sponsored by the National Science Foundation and Minnesota Department of Transportation. Over the past several years, Dr. Huang has delivered invited talks at MIT Sensable City Lab, City College of New York, University of

Arizona, Northeastern University, State University of New York at Buffalo, and Michigan Technological University. Dr. Huang has developed his software that integrated his research findings on destination planning and management, including ANGIE (Agent-based Network Growth model with Incremental Evolution) and CLUSTER (Clustered Locations of Urban Services, Transportation, and Economic Resources).



Dr. Ahmet Ozturk joined Rosen College of Hospitality Management as an Assistant Professor in August 2011. He holds a Ph.D. in Hospitality Administration with Hospitality Information Systems concentration from Oklahoma State University, Stillwater Oklahoma. Dr. Ozturk earned his Masters of Science degree in Tourism and Hotel Management from Mersin University, Turkey, and Bachelor of Science in Tourism and Hotel Management from Anadolu University, Turkey. His teaching areas include; hospitality information systems, lodging operations, guest services management and destination management and marketing. His research focuses on information technology adoption, e-commerce, m-commerce and destination marketing.

Panel discussion-3 Cybersecurity (Thursday, May 2, 2019, 1640-1740 (4:40 p.m. – 5:40 p.m.)

Moderator: Cihan Cobanoglu



Dr. Cihan Cobanoglu is a McKibbon Endowed Chair Professor of the College of Hospitality and Tourism Leadership (CHTL) at the University of South Florida Sarasota-Manatee (USFSM), who also serves as the Director of the M3 Center for Hospitality Technology and Innovation and Coordinator of International Programs for the College of Hospitality and Tourism Leadership.



Bill Newhouse (william.newhouse@nist.gov) Deputy Director of [NICE](#), and Security Engineer at [NCCoE](#) in the Applied Cybersecurity Division in the Information Technology Laboratory at NIST. For NICE, he leads and promotes efforts to foster, energize, and promote a robust network and an integrated ecosystem of cybersecurity education, training, and workforce development that can more effectively secure cyberspace and is lead author of the NICE Framework, [NIST Special Publication 800-181](#). At the NCCoE, he is leading the drafting of practice guides that address broad technology gaps in cybersecurity implementations that affect areas of risk in the retail, hospitality, and Federal sectors. Mr. Newhouse promotes cybersecurity R&D coordination efforts as a co-chair of a federal cybersecurity interagency working group and as a

regular representative of NIST at Federal cybersecurity focused R&D working groups. Mr. Newhouse is a graduate of Georgia Tech and GWU and has been with the federal government for 32 years.



Jeff Finke (jfinke@mitre.org) has been providing IT solutions to a gamut of customers for 25 years. While Jeff's cybersecurity experience has mostly been in the computer network, data center, information assurance and risk management areas, his extensive IT experience also includes the areas of architecture, engineering, and ITSM/operations. Jeff Finke is a Principal Information Systems Engineer for MITRE supporting the National Institute of Standards and Technology (NIST) National Cybersecurity Center of Excellence (NCCoE). At the NCCoE, he is a Task Leader for improving the cybersecurity of Hospitality Property Management Systems project. Jeff Finke is a graduate of Rochester Institute of Technology (BSEE) and holds two Masters from Johns Hopkins.

Yan Solihin (Yan.Solihin@ucf.edu) is a tenured Full Professor of ECE at NCSU. He joined NCSU in 2002. Currently, Yan Solihin is also a Program Director at the Division of Computer and Network Systems (CNS) at the National Science Foundation. His responsibilities include managing the Secure and Trustworthy Cyberspace (SaTC), Computer Systems Research (CSR), Scalability and Parallelism in the eXtreme (SPX), NSF/Intel Partnership on Foundational Microarchitecture Research (FoMR) programs, among others.

Mark Vincent (MVincent@mtg-fl.com) has over 34 years of experience in the hospitality industry with 26 of those years being in the IT space. His background is in software development, having developed various hospitality solutions including property management, point of sale and golf systems. He has an extensive R&D background which included designing strategies for meeting PCI and HIPAA compliancy requirements. Mark currently oversees all IT strategies for Rosen Hotels and Resorts and their subsidiaries as their Chief Information Officer. Mark graduated from Providence College with a Bachelor's of Science degree and is a member of the Hospitality Finance and Technology Professionals organization.

Panel discussion-4 (Thursday, May 2, 2019, 1640-1740 (4:40 p.m. – 5:40 p.m.)

Topic: Using Big Data Analytics to Create Better Guest Experiences

Moderator: Ivan Garibay, UCF

Panelists:

- Panelist 1: **Anthony Norrow**, Universal Project Manager, New Construction
- Panelist 2: **Joe Canamo**, Senior Manager - Business Analytics & Industrial Engineering
- Panelist 3: **Diala Gammoh**, Manager - Revenue Management and Data Science
Dr. Gammoh is a senior member of the American Society for Quality. She arranges for speakers from different industries where Industrial Engineering skills are applied such as Walt Disney World, Lockheed Martin, Universal



Orlando and more. Dr. Gammoh also arranges for all engineering tours that involves professionals in IE and Quality Engineering to help young professionals understand how Industrial Engineering skills can be applied in real world. She is also a speaker at Rollins College, College of Business Administration showing being analytics support business executives to make their decisions, mainly at Universal Orlando.

- Panelist 4: **Jeffery Baker**, Director of Analytics

Panel discussion-5.1 (Friday, May 3, 2019, 1630-1730 (4:30 p.m. – 5:30 p.m.)

Panel Topic: Urbanization and Smart Cities

Panel Moderator: **Anil Kumar**, Managing Director, Matrix

Anil Kumar oversees private family office that represents investments across North America and Asia in the following specific sectors: finance, real-estate, technology, healthcare, hospitality, transportation, industrials, utilities, education, media and entertainment. This extensive investment, technology and operational experience through innovative public-private partnerships have been transforming urban infrastructure in Asia by addressing systemic issues (specifically in education, public safety and security, health and wellness, utilities, digital infrastructure and mobility) and achieving sustainable socio-economic growth.

Panel discussion-5.2 (Friday, May 3, 2019, 1630-1730 (4:30 p.m. – 5:30 p.m.)

Panel Topic: Urbanization and Smart Cities

Public Sector Panelists

1. Chris Castro, Director of Sustainability & Resilience - City of Orlando
2. Mike Hess, Smart City Project Director - City of Orlando
3. Alison Barlow, City of St. Petersburg, Executive Director - St. Pete Innovation District
4. Barbara Jenkins, Superintendent - Orange County Public Schools
5. Gregory C. Curtin, PhD, JD, Senior Fellow at the World Economic Forum (WEF), Charter Member of WEF's Global Agenda Council
6. Jeremy Gilmore; District Five Transportation Systems Management and Operations Program Administrator, Florida Department of Transportation (FDOT)
7. Henry Reyes, Managing Director, JPMorgan Chase & Co.
8. Craig Ustler, President – Creative Village Orlando, LLC

Thought leaders that have been active proponents of benefits of smart city development to address in a mindful manner the systemic issues (safety, security, transportation, health and wellness, et al) in urban markets and mechanisms to fund and operate this smart city urban infrastructure will participate in a panel discussion to share their views and comment on the challenges and opportunities related to smart city developments from the public sector point of view. After the panel discussion, the audience will have 15 minutes to interact (5:15-5:30) with the panelists before the next panel (private panel) commences.

Private Sector Panel

1. Simon Hakim, Digital Government Director – Microsoft
2. Jim Haskins, Smarter Communities Business Development Leader – Cisco
3. Denise Quarles, Chief City Executive – Siemens
4. KJ Chugh, IoT and Smart Cities Practice Leader – Nokia
5. Max Green, VP Sales and Customer Experience – Harris Corporation
6. Kevin Conway, Senior Principal Architect -CenturyLink
7. Dave Mulholland; Transportation Managing Director - VHB
8. Juan Santos, Senior Vice President of Brand Experience – Tavistock
9. Charles Adams, Former Exec of Walt Disney World, Trammell Crow, Council Member, Urban Land Institute

Market leaders that are experts in smart city design, development and operations that are enabling innovation nationally and globally in smart city solutions (safety, mobility, utility, digital infrastructure, et al). These leaders will share in a panel discussion their views and comment on the challenges and opportunities related to smart city development and adoption from the private sector point of view. After the panel discussion, the audience will have 15 minutes to interact with the panelists (6:15-6:30) before the closing remarks for the SMART conference commence.

Chris Castro, Director of Sustainability & Resilience - City of Orlando

Chris is a sustainability and clean energy expert, eco-entrepreneur, and community organizer with a passion to create smart, resilient, and sustainable cities. Chris is currently the Senior Advisor to Orlando Mayor Buddy Dyer, Director of Sustainability & Resilience, and Co-chair of Smart Cities for the City of Orlando, developing policies & programs to advance the sustainability, clean energy, & climate action goals of Mayor Dyer. Chris is best known as the founder and president of IDEAS For Us, a global UN-accredited 501c3 nonprofit working to incubate and fund innovative solutions that advance the UN Sustainable Development Goals. In 2012, Chris started a clean-energy consulting firm called Citizen Energy, and 2013 co-created "Fleet Farming", a renowned urban farming social enterprise that is redefining local food systems by building organic farms on homeowner lawns through neighborhoods and communities.

Mike Hess, Smart City Project Director - City of Orlando

Mike Hess, LEED AP BD&C, LEED Fellow, PE, is a licensed mechanical engineer and currently leads smart city efforts for the City of Orlando. Mike has personally worked on more than 100 LEED Certified projects and has achieved the prestigious appointment of LEED Fellow. Mike has expertise in sustainability and LEED consulting, energy modeling, commissioning, water re-use and renewable energy systems, and has also developed city codes and incentives and corporate standards for several organizations associated with going green. Mike was selected by his peers as the first President of the new USGBC Florida Chapter. He has served two terms as the President of the USGBC Central Florida Region, and also has served several terms on the USGBC National Board of Directors.

Barbara Jenkins, Superintendent - Orange County Public Schools

Dr. Barbara Jenkins has been dedicated to serving the needs of students for 30 years. She was named superintendent for Orange County Public Schools in 2012.

Dr. Jenkins is a recognized education leader. In January 2017, she received a presidential appointment as a director of the National Board of Education Sciences. She serves on the executive board of directors of the Council of the Great City Schools, Chiefs for Change, The Wall Street Journal CEO Council and the Florida Council of 100. She is past president of the Florida Association of District School Superintendents.

In 2017, she was named the Florida Superintendent of the Year and one of four finalists for the national title. The Association of Latino Administrators and Superintendents named her Hispanic-Serving School District Superintendent of the Year and the Florida Association for Career and Technical Education named her CTE Superintendent of the Year.

Juan Santos, Senior Vice President of Brand Experience – Tavistock

Juan combines a unique blend of creative, technical and business strategy knowledge into innovative and effective solutions for Tavistock. Juan's passion for creating experiences that connect people and brands is reflected throughout his career. For more than 20 years Juan has worked with teams to launch numerous industry milestones including the first worldwide webcast for Earth Day, the first digital consumer electronics catalog for Toshiba USA, Mattel's shift from toys to play through the creation of BarbieGirls.com, and he contributed to the visionary team behind MyCokeRewards. Juan is a recognized expert in Design Thinking, User Generated Content, Massively Multiplayer Online Games, Physical + Digital and Loyalty and Rewards.

Craig Ustler, President – Creative Village Orlando, LLC

Craig Ustler is an owner, investor, developer and broker of various property types including multi-family residential, office, restaurant, retail and mixed-use. He has extensive experience in land sales, urban planning and highest and best use analysis. For the past several years, Ustler has focused on urban infill projects as advocated by the "new urbanism" planning movement. In particular, recent projects have been concentrated in Downtown Orlando neighborhoods including the Central Business District, the Uptown District, Thornton Park, Creative Village and Florida Hospital Health Village.

Gregory C. Curtin, PhD, JD, Senior Fellow at the World Economic Forum (WEF) Charter Member of WEF's Global Agenda Council

Greg pioneered the use of technology and data to transform the public sector, and is now regarded as a revolutionary technology entrepreneur. Having spent many years as a public school teacher, a professor at the University of Southern California and a municipal government attorney, Dr. Curtin brings deep knowledge and passion for the public sector to his vision for digital governance. Dr. Curtin is accredited for his work as a Senior Fellow at the World Economic Forum (WEF) and serves as a Charter Member of WEF's Global Agenda Council on the Future of Government. During his 10-year tenure with the United Nations Global E-Government Survey and Report, Curtin served as the principle investigator and one of its senior contributors. He founded and directed the E-Governance Collaborative Program at the University of Southern California Bedrosian Center, and started the Journal of E-Government peer-review. Authoring work throughout the evolution of smart cities, Dr. Curtin published *Free the Data: E-Governance for Megaregions and The World of E-Government*.

Kevin Conway, Senior Principal Architect -CenturyLink

Thirteen years in Information Technology Outsourcing providing leadership to clients, internal Client teams, and cross-functional teams supporting product, engineering, marketing and sales. Extensive experience in Commerce and Interactive Marketing Strategy and Solutions, Mobility Strategy and Solutions, PCI Compliance, Client Relationship and Technical Account Management, Project and Program Management, Independent Software Vendor (ISV) consulting and enablement creation strategy, Strategic Partner Development and Management, Sales support and Solutions Engineering, Product Lifecycle Management, Managed Applications and Hosting Services, Contracts and Service Level Agreements.

Henry Reyes, Managing Director, JPMorgan Chase & Co.

Henry joined J.P. Morgan in 2007 after working as the national head of Public Finance at Raymond James. His previous experience includes 15 years in public finance at Citigroup. Mr. Reyes has participated on over \$25 billion of senior managed transactions for a variety of issuers. His transportation experience includes serving as senior manager to the Orlando Orange County Expressway Authority, the Puerto Rico Highway and Transportation Authority, Miami, Tampa and Orlando Airports. Mr. Reyes has served as a senior manager on Water or Water and Sewer financings for Hillsborough County, Tampa Bay Water, Sarasota County, Miami-Dade County, Charlotte County, the Cities of Tallahassee, Sarasota, St. Petersburg ; and storm water Utility-related financings for Charlotte and St John's Counties. Mr. Reyes community involvement includes participation as a member of Orange County's Office of Economic Development Puerto Rico Trade Mission in 2000, serving on Governor Jeb Bush's Certificate-of-Need Workgroup in 2002 and 2003. He was also selected for the Florida Chamber's Leadership Florida Class of 2002.

Charles Adams, Former Senior Exec of Walt Disney World, Trammell Crow Council Member, Urban Land Institute

Charles recently joined VHB, a Transportation, Land Development, Planning and Environmental Professional Services firm where he serves as Director of Development Management Services, based in VHB's Orlando office. Prior to joining VHB, he served as the Vice President of Community Development for Raydient Places + Properties, a wholly owned affiliate of Rayonier, Inc., a publicly traded timber REIT based in Jacksonville, Florida that owns 2.7 million acres of land in North America and New Zealand. Prior to joining Raydient in 2015, Charles served for 18 years as the managing partner of Celebration Associates, a diversified community development firm based in the mid-Atlantic region, after serving as a Vice President for Walt Disney Imagineering playing a key executive role in the design and development of Celebration, Florida. He also worked with Trammell Crow Residential developing luxury apartment communities in and around Orlando, Daytona, and Jacksonville, Florida. He also served from 1997 to 2004 as an Independent Director for CNL Hotels and Resorts, a \$8 billion public, non-listed real estate investment trust based in Orlando, and also currently serves as a Council Member on the Resort/Recreation Development Council for the Urban Land Institute. He has served on multiple not-for-profit board of directors and received a Master of Business Administration from Harvard Graduate School of Business.

Alison Barlow, City of St.Petersburg, Executive Director - St. Pete Innovation District

Alison Barlow's significant experience and background in facilitation and collaboration has positioned her to unite the diversity of assets in Innovation District (science, business, health care, education, and social innovation) in a collaborative and transformative way for City of St.Petersburg. Barlow serves as a powerful connector, facilitating partnerships between members of the district and finding ways to illustrate the district's relevance to St. Petersburg as a whole.

Jeremy Gilmore; District Five Transportation Systems Management and Operations Program Administrator, Florida Department of Transportation (FDOT)

Jeremy leads FDOT's Central Florida technology efforts including connected vehicle, autonomous vehicle, integrated corridor management, and several data initiatives. Jeremy holds a Master's Degree in Transportation Engineering from the University of Central Florida

Dave Mulholland; Transportation Managing Director - VHB

Dave is responsible for overseeing growth and operations in the firm's Florida and Georgia locations. His 20-plus year background serving public and private clients throughout Florida, coupled with his dedication to client service, has strengthened VHB's foundation for future success in the southeast and enabled the firm to make an even greater impact improving mobility, enhancing communities and contributing to economic vitality.

Denise Quarles, Chief City Executive – Siemens

20+ years experience in spearheading powerful alliances among government, academic, nonprofit, community, and private sector entities. Combines strong leadership and skillful diplomacy to effectively navigate diverse organizations and gain consensus of key stakeholders to ensure project success. Passion for implementing smart, sustainable and resilient infrastructure initiatives that reduce cost/waste and improve quality of life. Recognized Subject Matter Expert in smart cities/municipal infrastructure, legislative affairs, resource development, presenting government policies, and detailing potential impacts.

Jim Haskins, Smarter Communities Business Development Leader – Cisco

Adventure loving with a proven record of creating new revenue streams, strategic alliances and trusted advisor relationships with Fortune 1000 executives and channel partners that yield top-line and bottom line growth. Leading award-winning teams that specialize in design, implementation and maintenance of voice, data, video, physical security and integrated building technologies.

Max Green, VP Sales and Customer Experience – Harris Corporation

Max Green is a Senior Sales Manager at Harris Corporation's RF Communications Division (RFCD). RFCD is the leading global supplier of secure radio communications and embedded high-grade encryption solutions for military, government, and commercial organizations. Mr. Green joined Harris in 2008 from the Marine Corps where he served as a Communications Officer assigned to Headquarters Marine Corps, C4 Department (HQMC C4). Mr. Green's other assignments in the Marine Corps include Marine Corps Tactical Systems Support Activity, Naval Postgraduate School, and Marine Wing Communications Squadron 38. Since joining Harris, Mr. Green has held positions of increasing responsibility in business development and sales before being promoted to his current position in 2012.

Simon Hakim, Digital Government Director – Microsoft

Business development and strategic management professional with progressive international and domestic experience in the development, implementation, and market launch of information technology solutions. Broad background encompassing consultancy, business development, business operation, client services and quality assurance. Exceptional customer management skills with the ability to inspire confidence and gain trust through attentive service and efficient problem solving. Strong leadership techniques and professional attention to detail supplemented by the ability to influence others.

KJ Chugh, IoT and Smart Cities Practice Leader – Nokia

KJ currently leads the IoT and Smart Cities Business Development at Nokia. He is responsible for developing markets, new product development, securing customer opportunities for voice of the customer, strategy, sales enablement, pipeline management, sales forecasting and value proposition for Smart City solutions for enterprise solutions and public sector. Prior to Nokia, KJ was an Engagement Manager at PwC Consulting in their Strategy practice focused on Smart Cities, Telecom, Cloud, IoT, SDN, ICT, and Technology portfolio. His role was to find and execute transformational strategy projects.

Thematic session-1 (Wednesday, May 1, 2019, 1430-1550 (2:30 p.m. – 2:50 p.m.)

THEME: Smart Transportation Systems

Mohamed Abdel Aty (chair, CECE, UCF), Data-driven Transportation Incident/Emergency Planning and Operations in the Age of Smart and Connected Cities

Kaan Ozbay, Professor

C²SMART Center (A Tier 1 USDOT UTC), Department of Civil and Urban Engineering & Center for Urban Science & Progress (CUSP), Tandon School of Engineering
New York University

Kaan M.A. Özbay is a tenured Professor at the Department of Civil and Urban Engineering (CUE) at NYU Tandon School of Engineering and Center for Urban Science and Progress (CUSP) at NYU since August 2013. He currently is the director of the USDOT Tier 1 University Transportation Center at NYU Tandon School of Engineering, [C²SMART](#) starting January 2017. Dr. Ozbay is the recipient of the prestigious National Science Foundation (NSF) **CAREER** award. He received numerous awards for his papers and projects. His research interests in transportation cover a wide range of topics including: the development of simulation models of large scale complex transportation systems; advanced technology and sensing applications for Intelligent Transportation Systems; modeling and evaluation of traffic incident and emergency management systems; feedback based on-line real-time traffic control techniques; traffic safety; application of operations research techniques in network optimization and humanitarian inventory control, and transportation economics

Jeremy Dilmore, Florida Department of Transportation, Florida Connected and Autonomous Vehicle Efforts

Jeremy Dilmore is the FDOT District Five Transportation Systems Management and Operations Program Manager where he leads efforts in applying technology to transportation. He has worked within the transportation field for fourteen years. Jeremy holds a Master's Degree in Transportation Engineering from the University of Central Florida.

Samiul Hasan, Asst Prof. UCF: Emerging Technologies for Smart Cities: From Discovering Patterns to Building Applications

Lisingsha Yue (Yueli), PhD student, UCF: Safety Benefits of Advanced Driver Assistant Systems and Intelligent Transportation Systems in Future Smart City

Jinghui Yuan, PhD candidate, UCF: Arterial-Level Real-Time Crash Risk Prediction Using Deep Learning

Dylan Schmorrow, Executive Vice President & Chief Scientist, Soar Technology, Inc.

Dylan Schmorrow is a pioneer in creating, fostering and leading innovation that dramatically accelerates the advancement of technology to hasten the transition of novel ideas to practical use. He is currently the Chief Scientist at Soar Technology and is a retired US Navy Captain whose service included positions as a Research Area Director at the Office of the Secretary of Defense, a Program Manager at DARPA, a Program Officer at the Office of Naval Research, and a Scientist at the Naval Research Laboratory. His professional focus includes the advancement of a new generation of intelligent, autonomous, and collaborative robotic systems, unique human-machine teaming solutions and applying AI technologies to enhance training, cybersecurity, decision-support and medical capabilities.

Thematic session-2 (Thursday, May 2, 2019, 10 a.m.-11:20 a.m.)

THEME: Using Big Data to Catalyze Innovation and Economic Prosperity in Smart Cities

Ivan Garibay (Director, MSDA Assistant Professor, IEMS, UCF),

Fireside chat with Siemens. Peter Torrellas, Head of Smart Cities and Communities at Siemens

Seyyedmilad Talebzadehosseini: An Agent Based Simulation Model for Developing and Sustaining Green Urban Growth.

Madeline Schiappa: Cyber Security in a Complex Community: A Social Media Analysis of Common Vulnerabilities and Exposures

Brett Belcher: Scalable Deep Learned User Authentication via Keystroke Dynamics

Rehab Ali: A Conceptual Model for the Implications of Blockchain Technology on the Entrepreneurial Ecosystem

Thematic session-3 (Thursday, May 2, 2019, 10 a.m.-11:20 a.m.)

THEME: Emerging Issues in Cyber Security and Privacy

Yan Solihin (Director of Cyber and Privacy cluster, Professor CS, UCF),

Aziz Mohaisen, Title: Practical Adversarial Machine Learning Attacks on IoT Malware Detection; (Invited speech).

Paul Gazzillo, Title: Security Challenges for Highly-Configurable Software; (Invited speech)

Amro Awad, Title: Rethinking Secure Processor Design for Persistent Memories; (Invited speech)

Andrea Mondelli, Title: Paul Gazzillo and Yan Solihin, Performance Considerations when Protecting Smart-City Devices from Side Channel Attacks

Da Kim and Paul Gazzillo, Title: Inclusive Security is Better Security

Thematic session-4 (Friday, May 3, 2019 10 a.m.-11:20 a.m.)

THEME: Smart systems integration: industrial and system engineering perspectives

Waldemar Karwowski (chair of IEMS, Professor IEMS, UCF),

Dylan Schmorrow, Soartech, Inc.: Human-Computer Symbiosis: Developing Tomorrow's Smart Systems Using Cognitive Architectures and Reaching Beyond Deep Learning. Dylan Schmorrow is a pioneer in creating, fostering and leading innovation that dramatically accelerates the advancement of technology to hasten the transition of novel ideas to practical use. He is currently the Chief Scientist at Soar Technology and is a retired US Navy Captain whose service included positions as a Research Area Director at the Office of the Secretary of Defense, a Program Manager at DARPA, a Program Officer at the Office of Naval Research, and a Scientist at the Naval Research Laboratory. His professional focus includes the advancement of a new generation of intelligent, autonomous, and collaborative robotic systems, unique human-machine teaming solutions and applying AI technologies to enhance training, cybersecurity, decision-support and medical capabilities.

Qipeng Zheng, UCF: Smart Operations of Municipal Utility Parks – A Water, Energy, Waste Nexus Approach

Luis Rabelo, UCF: Using a Hybrid Model of System Dynamics and Agent-based Simulation in Order to Predict the Demand of Vehicles in a Megacity

Vladimir Boginski, UCF: Robustness and Vulnerability of Interdependent Infrastructure Networks

Ben Sawyer, UCF: Autonomy-Brain Exchange: Toward Neuroergonomic Integration of Human and Machine

Thematic session-5 (Friday, May 3, 2019, 14:30-15:50 (2:30 p.m. – 3:50 p.m.)

THEME: Energy Technologies for Smart Communities

Zhihua Qu (chair of ECE, UCF), **Aleksandar Dimitrovski** (Associate Professor of ECE),;

Thomas J. King, Jr., Director of Sustainable Electricity Program at Oak Ridge National Laboratory: Transforming our Communities through Innovation



Thomas J. (Tom) King, Jr. is the Director of the Sustainable Electricity Program at the U.S. Department of Energy's (DOE) Oak Ridge National Laboratory (ORNL) in Tennessee. He is responsible for leading, coordinating, and implementing ORNL's research and development (R&D) portfolio conducted within the DOE's Office of Electricity Delivery and Energy Reliability and Office of Energy Efficiency and Renewable Energy. The diverse R&D portfolio consists of renewable energy integration, grid modeling and analysis, systems integration, advanced components and materials, and energy security. Prior to joining ORNL, Tom was employed at Progress Energy, where he held various management positions in the fossil generation area. He also was a program manager at DOE, working in areas of distributed energy and industrial technologies. He holds a B.S. degree in Mechanical Engineering from Clarkson University and an M.S. in Materials Engineering from Rensselaer Polytechnic Institute. He also received a Master's of Business Administration from the University of Tennessee.

Dr. Hong Wang, Oak Ridge National Laboratory, formerly Laboratory Fellow and Chief Scientist at Pacific Northwest National Laboratory: Collaborative Fault Tolerant Control for Complex Systems - An Example of Non-signalized Intersection with CAVs



Hong Wang (Fellow of IET and InstMC) received the B.S. degree from the Huainan University of Mining Engineering, Huainan, China, in 1982, and the M.S. and Ph.D. degrees from the Huazhong University of Science and Technology, Wuhan, China, in 1984 and 1987, respectively. He was a Research Fellow with Salford University (Salford, UK), Brunel University (Uxbridge, UK) and Southampton University (Southampton, UK) before joining the University of Manchester Institute of Science and Technology (UMIST), Manchester, U.K., in 1992. His current research interests include stochastic distribution control, fault detection and diagnosis, nonlinear control, and data-based modeling for complex systems including industrial processes and transportation systems.

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Ben Prochazka, Vice President, Electrification Coalition:
Drive Electric Orlando: A Public/Private Partnership to Steer
Tourists Into Electric Vehicles

Ben Prochazka joined the EC as the Director of Strategic Initiatives, developing all EC programs outside of the beltway. Since 2013 Ben has continued to lead these efforts, now as the organization's Vice President. Ben has spent more than a decade working on environmental, human rights, and voter engagements efforts. His experience includes leadership roles as the Campaign Director for the Save Darfur Coalition, the Legislative Director for the Colorado Environmental Coalition, the Colorado State Director for the New Voters Project, and numerous public interest campaign efforts as the Western States Field Organizer for U.S.PIRG.



Dr. Rakan Chabaan, Senior Research Engineer at Hyundai
America Technical Center: Laboratory Performance and
Safety Test Results of 7.0 kW WPT System

Dr. Chabaan received the B.S. degree in electrical engineering from University of Detroit with Summa Cum laude, the M.S. in electronics and computer controls system from Wayne State University, and Ph.D. in robust control system from Wayne State University in December 2000. Dr. Chabaan is a senior Research engineer at Hyundai America Technical Center where, his main focus is High Power Wireless Charging for EV and Vehicle-To-Grid technology. Dr. Chabaan received over 18 patents in Electric Steering, Vehicle Simulator controls, and EV wireless charging. Dr. Chabaan has published more than 56 journal papers & conferences and received several awards such as Global Technology (GTA) achievement award and Henry Ford Technology Award, Best technical papers for two years in row (2017 & 2018) in Hyundai Motor Company conference worldwide.



Michael Hess, Smart City Project Director, City of Orlando
Pena Station NEXT Case Study

Mike Hess is a licensed mechanical engineer and a LEED Fellow. He has worked on over 100 LEED certified buildings, including net-zero energy and carbon neutral projects. Mike works for the City of Orlando, as their Smart City Project Director. He also helps lead the US Green Building Council in Florida as the Chair of their statewide efforts. In his previous role, Mike helped design the micro-grid and carbon neutral approach for Pena Station NEXT.

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