WEDNESDAY, 27 NOVEMBER 2019

TIME		LOCATION
0800	Exhibitor Registration Open	South Concourse, S220CDE
1700	Exhibitor Registration Close	

THURSDAY, 28 NOVEMBER 2019 CLOSED FOR THANKSGIVING		

FRIDAY, 29 NOVEMBER AND SATURDAY, 30 NOVEMBER 2019

TIME		LOCATION
0800	Exhibitor Registration Open	South Concourse, S220CDE
1700	Exhibitor Registration Close	

SUNDAY, 1 DECEMBER 2019

TIME		LOCATION
0800	Exhibitor Registration Open	South Concourse, S220CDE
1200	Conference Registration Open	South Concourse, S220CDE
1200	Satellite Registration Open	Hyatt Regency Main Lobby
1800	All Registrations Close	

Dress Code

BRANCH	CONFERENCE AND GENERAL SESSIONS	BANQUET
Army	ACUs or Duty Uniform	Army Blue *(Army Evening Mess Optional)*
Marine Corps	Service "C"	Evening Dress *(Dress Blue "B" or Service "A" Optional)*
Navy	Service Khaki, Navy Service Uniform	Dinner Dress White *(Service Dress White Optional)*
Air Force	Blues *(Short or Long Sleeve)*	Mess Dress or Semi-Formal
Coast Guard	Tropical Blue Long	Dinner Dress White *(Service Dress White Optional)*
Civilian	Business Attire	Black Tie *(Optional)* or International Traditional Costume

MONDAY, 2 DECEMBER 2019

TIME		LOCATION
0700	**Conference and Exhibit Registration Open**	South Concourse, S220CDE
0730	**Satellite Registration Open**	Hyatt Regency Main Lobby
0830 - 1000	**TUTORIALS** (Synopses begin on page 50)	
	A Comprehensive Introduction to Medical Simulation (1910)	Room S320B
	Live, Virtual and Constructive (LVC) Simulation Interoperability 101 (1931)	Room S320C
	TENA/JMETC: Live-Virtual-Constructive Integration for Test and Training (1928)	Room S320D
	Cybersecurity in LVC (1917)	Room S320E
	Introduction to DoD Modeling and Simulation (M&S) (1923)	Room S320F
	An Introduction to Cognitive Systems for Modeling & Simulation (1914)	Room S320GH
1030 - 1200	**SIGNATURE EVENT 1:** Congressional Modeling and Simulation Event (page 15)	Room S330BCD
1245 - 1415	**TUTORIALS** (Synopses begin on page 53)	
	M&S Case Study Analysis: Design for Additive Manufacturing & 3D Printing (1920)	Room S320B
	Distributed LVC Event Integration and Execution Process (1911)	Room S320C
	Distributed Interactive Simulation (DIS) 101 (1937)	Room S320D
	Risk Management Framework: Cyber Security Compliance for Modeling, Simulation and Training Systems (1939)	Room S320E
	Addressing the Challenges of Rigorous Simulation Validation (1941)	Room S320F
	Artificial Intelligence: Past, Present, Capabilities and Limitations (1919)	Room S320GH
1400	**Exhibits Open**	Exhibit Hall
1430 - 1600	**TUTORIALS** (Synopses begin on page 56)	
	Location, Location, Location: Big Data, Artificial Intelligence and Analytics in the Cloud (1936)	Room S320B
	A Functional Approach to Distributed Network Architectures for LVC (1922)	Room S320C
	Introduction to HLA (1916)	Room S320D
	Simulation Conceptual Modeling Theory and Use Cases (1943)	Room S320E
	Design of Experiments: Applications for the Simulation Profession (1918)	Room S320F
	Superforecasting: Proven Practices for Leveraging Human Ingenuity (1921)	Room S320GH
1600 - 1730	**SIGNATURE EVENT 2:** I/ITSEC Fellow 2019 (page 16)	Room S310C
1800	**Exhibits Close**	
1800	**All Registration Stations Close**	

TIME		LOCATION
0700	Conference and Exhibit Registration Open	South Concourse, S220CDE
0700	Satellite Registration Open	Hyatt Regency Main Lobby
0830 - 1000	**OPENING CEREMONIES**	Hyatt Regency Windermere Ballroom
	Call to Order **Presentation of Colors** **National Anthem** **Invocation** OPENING REMARKS **Brian Holmes,** 2019 Conference Chair KEYNOTE ADDRESSES **General Stephen W. Wilson** Vice Chief of Staff of the United States Air Force **Mark Matthews** President Quantum3D Government Systems	
1030 - 1200	**SIGNATURE EVENT 3:** Senior Leader Panel (page 17)	Hyatt Regency Windermere Ballroom
1200	**Exhibits Open**	Exhibit Hall
1200 - 1330	**Lunch** (Opening of Exhibits and Lunch will occur at 1200 or upon adjournment of the General/ Flag Officer Panel)	South Hall B
1400 - 1530	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 59.)	Room S320ABCDEF
1400 - 1530	**SIGNATURE EVENT 4:** Air Force A3 Operational Training 0-6 Panel (page 18)	Room S330BCD
1400 - 1530	**FOCUS EVENT 2:** Best from Around the Globe (page 28)	Room S320D
1400 - 1530	**FOCUS EVENT 3:** Acquisition Agility (page 29)	Room S320GH
1400 - 1530	**FOCUS EVENT 4:** Ignite! (page 30)	Room S330EF
1400 - 1530	**COMMUNITY OF INTEREST 1:** Conceptual Modeling of Adaptive Instructional Systems (IEEE Project 2247.1) (page 40)	Room S329
1400	**LAUNCH PAD:** Using Artificial Intelligence Technology and Personalized Services for Optimized Dynamic Language Teaching and Learning	Exhibit Hall – Booth 793
1430	**LAUNCH PAD:** An App-based Approach for Reliably and Efficiently Bringing Users to Fluency in a New Language	Exhibit Hall – Booth 793
1600 - 1730	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 59.)	Room S320ABCDEF
1600 - 1730	**SIGNATURE EVENT 5:** 5G – From Hype to Reality (page 19)	Room S310C
1600 - 1730	**FOCUS EVENT 5:** Big Data in Training (page 31)	Room S320GH
1600 - 1730	**COMMUNITY OF INTEREST 2:** The European Perspective on Battlelabs and the Role of Simulation (page 40)	Room S329
1600 - 1730	**PROGRAM BRIEF 1:** Air Force Acquisition Update (page 44)	Room S330EF
1600	**LAUNCH PAD:** One World SDK for Unity	Exhibit Hall – Booth 793
1600	**Satellite Registration Stations at Hyatt Close**	
1630	**LAUNCH PAD:** Physically Based Night Vision Goggle Sensor Simulation in Game Engine	Exhibit Hall – Booth 793
1700 - 1830	**Exhibitor Networking Event**	Exhibit Hall
1800	**Convention Center Registration Closes**	
1800	**Senior Leaders Networking Hour and M&S Awards Dinner** *(invitation only)*	Hyatt Regency
1830	**Exhibits Close**	

CONFERENCE AGENDA

WEDNESDAY, 4 DECEMBER 2019

TIME		LOCATION
0630	**5K Walk, Run or Roll Charity Race**	OCCC
0700	**Conference and Exhibit Registration Open**	South Concourse, S220CDE
0830 - 1000	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 60.)	Room S320ABCDEF
0830 - 1000	**SIGNATURE EVENT 6:** The Impact of Data and Simulations for 21st Century Warfare (page 20)	Room S310AB
0830 - 1200	**SIGNATURE EVENT 7:** AI Game Theory: Game Changing or Game Over? (USSOCOM) (page 21)	Room S330EF
0830 - 1000	**FOCUS EVENT 6:** Imagine 2030: AI-Empowered Learning (page 32)	Room S320GH
0830 - 1000	**COMMUNITY OF INTEREST 3:** Adaptive Instructional System Interoperability Standards (IEEE Project 2247.2) (page 41)	Room S329
0830 - 1000	**PROGRAM BRIEF 2:** U.S. Army PEO STRI TSIS Update (page 44)	Room S330BCD
0930	**Exhibits Open**	Exhibit Hall
1030 - 1200	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 60.)	Room S320ABCDEF
1030 - 1200	**SIGNATURE EVENT 8:** Navy Flag Officer Panel – The Navy the Nation Needs Now (page 22)	Room S330BCD
1030 - 1200	**FOCUS EVENT 7:** Perspectives on Competency-Based Learning (page 33)	Room S310C
1030 - 1200	**COMMUNITY OF INTEREST 4:** Learning Engineering: A New Academic Discipline and Engineering Profession (page 41)	Room S329
1200 - 1330	Lunch	South Hall B
1230 - 1400	UCF/FIEA Games in Simulation Panel	Room S329
1400 - 1530	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 61.)	Room S320ABCDEF
1400 - 1530	**SIGNATURE EVENT 9:** Alignment of Army M&S Across the M&S Enterprise and the Army Future Force Modernization Enterprise (page 23)	Room S310AB
1400 - 1530	**SIGNATURE EVENT 10:** Multi-domain Battlespace Training (page 24)	Room S330BCD
1400 - 1530	**FOCUS EVENT 8:** Patient Safety in Healthcare: The Role of Modeling and Simulation (page 34)	Room S310C
1400 - 1530	**FOCUS EVENT 9:** Multinational Perspectives on Live, Virtual and Constructive Implementation in Ops (page 35)	Room S330EF
1400	**LAUNCH PAD:** Omni-Directional Treadmill	Exhibit Hall – Booth 793
1430	**LAUNCH PAD:** The Robot Operating System (ROS) and the Gazebo Simulation Environment	Exhibit Hall – Booth 793
1600 - 1730	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 61.)	Room S320ABCDEF
1600 - 1730	**FOCUS EVENT 10:** Black Swan: To Tell the Truth, I've Got a Secret (page 36)	Room S310AB
1600 - 1730	**COMMUNITY OF INTEREST 5:** Best Practices for the Evaluation of Adaptive Instructional Systems (IEEE Project 2247.3) (page 42)	Room S329
1600 - 1650	**PROGRAM BRIEF 2:** U.S. Army PEO STRI TSIS Update (page 44)	Room S330BCD
1600 - 1730	Future Leaders Presentations (FLP)	Room S320F
1600	**LAUNCH PAD:** Computer Vision on the Edge	Exhibit Hall – Booth 793
1630	**LAUNCH PAD:** Disruptive Training Across the Spectrum of Use Cases Using Virtual Immersive Experiences	Exhibit Hall – Booth 793
1800	**All Registration Stations Close**	
1800	**Exhibits Close**	

THURSDAY, 5 DECEMBER 2019

TIME		LOCATION
0800	Conference and Exhibit Registration Open	South Concourse, S220CDE
0830 - 1000	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 62.)	Room S320ABCDEF
0830 - 1000	**SIGNATURE EVENT 11:** Improving Joint and Multinational Simulation Interoperability (page 25)	Room S310AB
0830 - 1200	**SIGNATURE EVENT 12:** Air Force Simulators Pitch Day (page 26)	Room S320GH
0830 - 1000	**FOCUS EVENT 11:** Modernizing Learning (page 37)	Room S329
0830 - 1000	**COMMUNITY OF INTEREST 6:** Simulation Standards and SISO (page 43)	Room S310C
0830 - 1000	**PROGRAM BRIEF 3:** Navy Vision from the Training System's Program Offices (page 44)	Room S330EF
0930	Exhibits Open	Exhibit Hall
1000 - 1130	**FOCUS EVENT 1:** Iron Dev (page 27)	Exhibit Hall – Booth 793
1030 - 1200	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 62.)	Room S320ABCDEF
1030 - 1200	**FOCUS EVENT 12:** Immersive Environments — Suspending Disbelief (page 38)	Room S330EF
1030 - 1200	**COMMUNITY OF INTEREST 7:** Geospatial Forum (page 43)	Room S310C
1200 - 1330	Lunch	South Hall B
1300	Serious Games Showcase and Challenge Awards Ceremony	Innovation Showcase Booth 2588
1330 - 1500	**PAPER SESSIONS** (Title/Author list begins on page 63. Session schedules for this timeframe are on page 62.)	Room S320ABCDEF
1330 - 1500	**FOCUS EVENT 13:** New and Emerging Augmentation Technologies for Training and Operations within the NATO Alliance Nations (page 39)	Room S310C
1415	Future Leaders Awards Ceremony	Innovation Showcase Booth 2588
1500	Exhibit Hall and Registration Close	Exhibit Hall
1800	Hosted Reception sponsored by Lockheed Martin	Hyatt Regency Windermere Ballroom
1900	**Conference Awards Banquet** *Reception & Awards*	Best Paper Award presentation I/ITSEC 2019 Scholarship Presentations • RADM Fred Lewis Postgraduate Scholarships • Leonard P Gollobin Postgraduate Scholarships • Barbara McDaniel Undergraduate Scholarships Passing of the Flag for I/ITSEC 2020 Post Dinner Entertainment and Networking	Hyatt Regency Windermere Ballroom

FRIDAY, 6 DECEMBER 2019

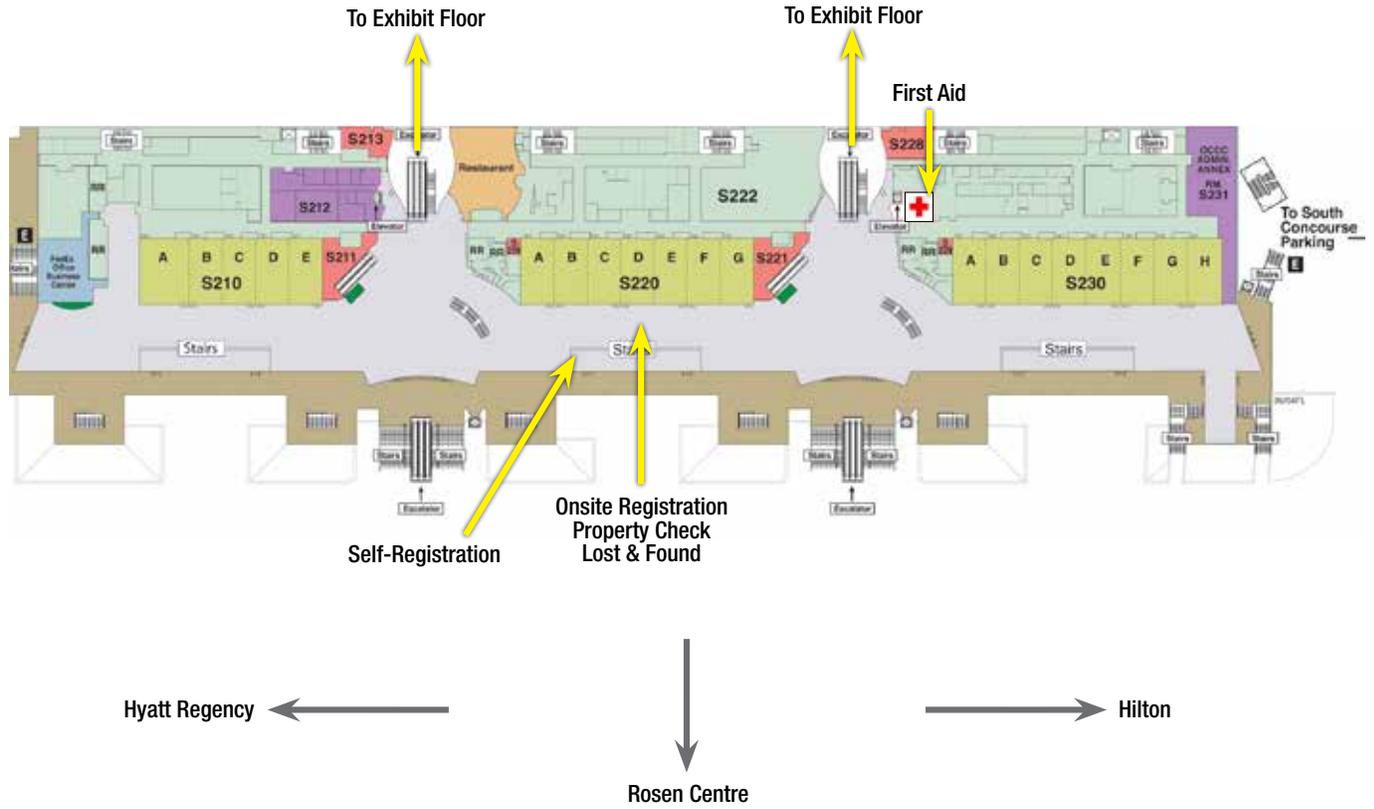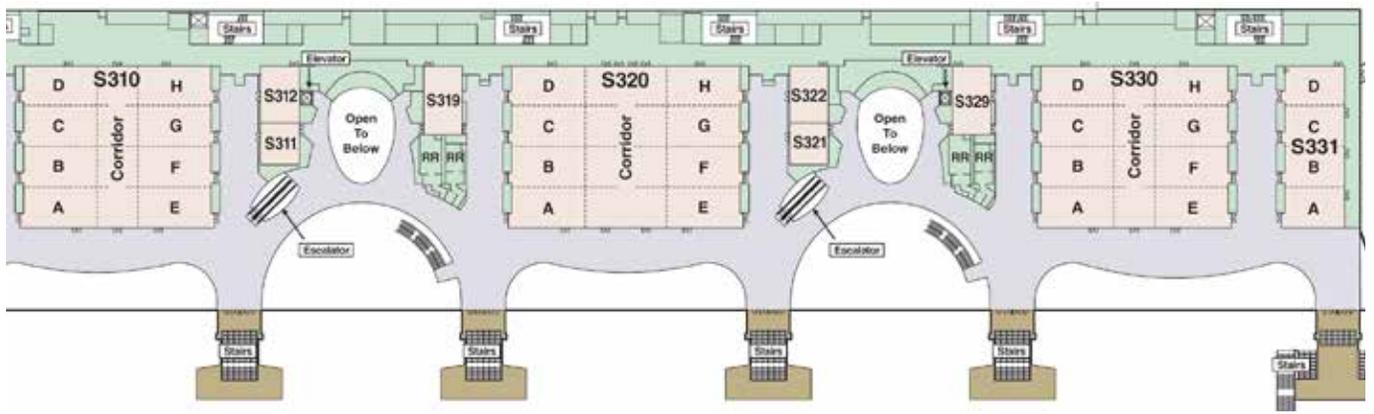| TIME	PROFESSIONAL DEVELOPMENT WORKSHOPS (Synopses on pages 71 - 73)	LOCATION
0800 - 1630	PDW1: CyberTRAINsitions	Room S330EF
0800 - 1200	PDW2: Certified Modeling & Simulation Professional (CMSP)	Room S331A
0800 - 1200	PDW3: Harnessing the Power of Data Analytics to Optimize Training	Room S331B
0800 - 1200	PDW4: Live-Virtual-Constructive (LVC) Interoperability Techniques	Room S331C
0800 - 1200	PDW5: Serious Game Design Workshop	Room S331D
0800 - 1200	PDW6: Team and Collective Training Needs Analysis (TCTNA)	Room S330G
0800 - 1200	PDW7: Using ROI-Focused Design Thinking to Deliver Impact Results	Room S330H
0800 - 1130	PDW1.1: Cyberspace Training: Is This Even Legal?	Room S330EF
1300 - 1530	PDW1.2: Blockchain in Simulation: Managing Innovations in Training, Games, Health and IoT	Room S330EF

South Concourse

Although the buildings are large, a five-minute walk will take you...
- from the South Concourse to the North Concourse
- from the South Concourse to the Hilton
- from the South Concourse to the Hyatt Regency
- from the South Concourse to the Rosen Center

LEVEL 2 (Entry / Registration / Exhibit Hall)

To Exhibit Floor
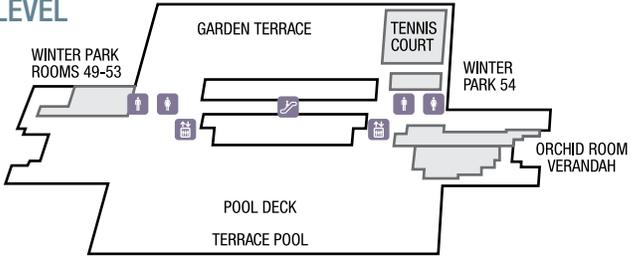
To Exhibit Floor

First Aid

Self-Registration

Onsite Registration
Property Check
Lost & Found

Hyatt Regency ←

→ Hilton

Rosen Centre

LEVEL 3 (Tutorials / Presentations / Events / Practice Rooms / Professional Development Workshops)

RECREATION LEVEL

WINTER PARK
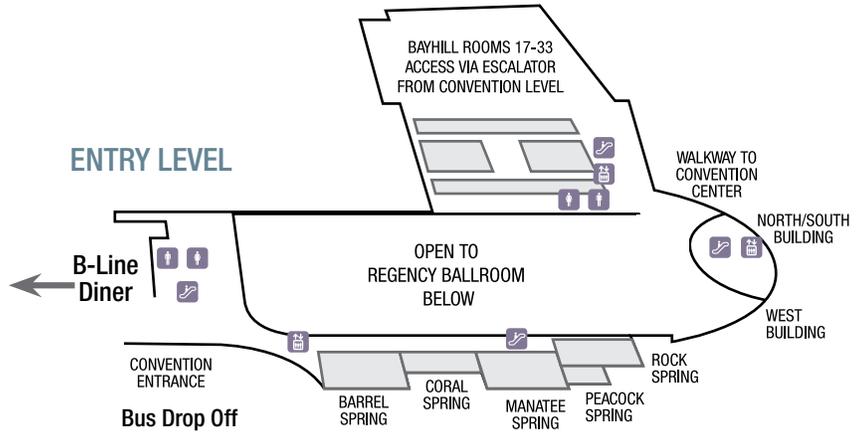ROOMS 49-53

GARDEN TERRACE

TENNIS
COURT

WINTER
PARK 54

ORCHID ROOM
VERANDAH

POOL DECK

TERRACE POOL

**WINNING THE WAR
OF COGNITION**

MEZZANINE LEVEL

DRAKE
ROOM

HALLWAY TO GUESTROOMS

DISCOVERY
ROOMS 43-48

ENDEAVOR
ROOM

CHALLENGER ROOMS 38-42

BOARDROOM

COLUMBIA
ROOMS 34-37

ENTRY LEVEL

BAYHILL ROOMS 17-33
ACCESS VIA ESCALATOR
FROM CONVENTION LEVEL

WALKWAY TO
CONVENTION
CENTER

NORTH/SOUTH
BUILDING

**B-Line
Diner**

OPEN TO
REGENCY BALLROOM
BELOW

WEST
BUILDING

CONVENTION
ENTRANCE

Bus Drop Off

BARREL
SPRING

CORAL
SPRING

MANATEE
SPRING

PEACOCK
SPRING

ROCK
SPRING

CONVENTION LEVEL

**Opening Ceremonies
Keynote Speakers
Senior Leader Panel
Closing Banquet**

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W   X

WINDERMERE
BALLROOM

FLORIDA
BALLROOM

PLAZA INTERNATIONAL
BALLROOM

ORLANDO
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GULF / BUSINESS CENTER / ATLANTIC

BLUE
SPRING

RAINBOW
SPRING

SILVER
SPRING

REGENCY
EXPRESS