



2018 Spirent Simulator Training Seminars

Time	Course Description
8:00	Registration
8:10	Welcome <ul style="list-style-type: none"> • Agenda review • Spirent introductions
8:20	<u>GNSS Program Updates</u> <ul style="list-style-type: none"> • GPS status update • GNSS status update • Industry developments
9:10	<u>New Product Developments</u> <ul style="list-style-type: none"> • GSS9000, GSS9790, GSS7000 Simulators • SimGEN Software new developments • SimINERTIAL overview • GSS7765 Interference Generator and SimSAFE Spoofing Software • GSS6450 3RF Record and Playback System • Multipath Environmental Modelling
9:50	Break with refreshments
10:00	<u>Simulator Test Fundamentals</u> <ul style="list-style-type: none"> • Creating Scenarios • Constellation Modelling • Vehicle Modelling • Antenna Modelling • Atmospheric Modelling • Multipath Modelling

11:00	<p><u>Simulation Techniques</u></p> <ul style="list-style-type: none"> • Multi constellation • Ground Transmitters • High J/S CRPA demonstrator • GPS/GLONASS Satellite Rotation
12:00	<p>Lunch</p>
1:00	<p><u>Remote Control & Hardware-in-the-Loop Testing</u></p> <ul style="list-style-type: none"> • Trajectory simulation fundamentals • The concept of remote motion simulation • Realization of dynamics in the Spirent hardware – GSS7700, GSS7000, GSS8000 & GSS9000 • Learn how sampling remote motion data at different rates impacts simulated position accuracy • 3rd Party Simulation Tools
1:40	<p><u>Resilience Testing</u></p> <ul style="list-style-type: none"> • Interference creation and implementation in SimGEN • CRPA test applications • Spoofing Simulation with SimSAFE and multi-constellation techniques • 3-D multipath modeling • Simulating space weather effects
2:20	<p>Break & Sign-in for FOUO Session</p>
2:45	<p>For Official Use Only (FOUO) Session – US Only</p> <ul style="list-style-type: none"> • Y-code & SAASM • M-code • Inertial testing
4:30	<p>Wrap-Up</p> <ul style="list-style-type: none"> • Additional questions