



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 |