# SEI CPS-ULS Autonomy Tutorial Series

Agenda

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| **Day 1 Topic: Creating Distributed Autonomy Capabilities**  Date: June 22, 2016  Presenter: James Edmondson | |
| **Time** | **Topic** |
| 8:30 a.m. | Introduction to Tutorial Series |
| 9:00 | Introduction to Multi-Agent Distributed Adaptive Resource Allocation (MADARA) and Group Autonomy for Mobile Systems (GAMS) |
| 9:45 | Break |
| 10:00 | Installation of MADARA and GAMS |
| 10:45 | Creating Distributed Autonomy Projects |
| 11:30 p.m. | Lunch |
| 12:45 | Creating Multi-Threaded Programs and Controllers |
| 1:30 | Creating Distributed Algorithms |
| 2:30 | Break |
| 2:45 | Creating Hardware and Simulation Platforms |
| 3:30 | Wrap Up |
| 4:00 | Adjourn |
| **Day 2 Topic: Verifying Distributed Autonomy Capabilities**  Date: June 23, 2016  Presenters: Sagar Chaki, Jeff Hansen, Dionisio de Niz, and Scott Hissam | |
| **Time** | **Topic** |
| 8:30 a.m. | Introduction |
| 9:00 | Installation of Distributed Adaptive Real-Time (DART) |
| 9:45 | Break |
| 10:00 | Verification of Safety-Critical Properties using DART |
| 11:30 p.m. | Lunch |
| 12:45 | Verification of Mission Properties using DART |
| 1:30 | Distributed Execution of Multiple Experiments and Transfer of Empirical Results (DEMETER) |
| 2:30 | Next Steps |
| 3:30 | Adjourn |

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| Contact Us  Software Engineering Institute 4500 Fifth Avenue, Pittsburgh, PA 15213-2612  **Phone**: 412/268.5800 | 888.201.4479 **Web**: [www.sei.cmu.edu](http://www.sei.cmu.edu) | [www.cert.org](http://www.cert.org) **Email**: info@sei.cmu.edu |