Member	Responsibilities	Tasks
Dr. Craig Knoblock (25% LE)	Principal Investigator responsible for overall project. Leads TA 2 – Assurance Monitoring and Control. His research focuses on techniques for describing, acquiring, and exploiting the semantics of data. Has also developed scalable approaches to execution monitoring, accurate detection of sensor failures, and automatic modeling and reconstruction of sensors. Has led many DARPA-funded projects	1.1.6,1.2.3, 1.2.4,1.3.4,1.4.1,2.1.6, 2.2.3, 2.2.4,2.3.4, 2.4.1,3.1.6,3.2.2, 3.2.3,3.2.4,3.3.4, 3.4.1
Dr. Michael Orosz (50% LE)	Co-Principal Investigator responsible managing the day-to-day operations of the project, assist technical teams as needed, coordinate with TA4 teams. Research in autonomous learning systems applied to command and control. Has led many large complex multi-disciplined/multi-organizational projects in academic and industry environments. Has extensive systems engineering and integration experience	1.1.6, 2.1.6, 3.1.6,1.4.1, 2.4.1, 3.4.1
Dr. Pierluigi Nuzzo	Key personnel. Leads the TA 1- Design for Assurance team. Research interests in formal methods (To be completed)	1.1.1, 2.1.1, 3.1.1
Dr. Matthew Barry	Key personnel. Leads the TA 3 – Dynamic Assurance. To be completed	1.3.2,2.3.2,3.3.2
Dr. Doug Smith	Key personnel	1.1.5, 2.1.5, 3.1.5
Dr.Henny Sipma	Key personnel	1.1.5, 2.1.5, 3.1.5
Dr. Petros Ioannou	Key Personnel responsible providing the assurance test bed prior to availability of TA4 platforms. Research interests in automotive command/control, collision avoidance, adaptable controllers	1.1.2, 2.1.2 (optional), 3.1.2 (optional)
Dr. Satyandra Kumar Gupta	Key Personnel providing autonomous command and control expertise to the TA-2 team. Research interest is in the area of physics-aware decision making to facilitate automation. Member of 2016 Defense Science Board (DSB) Report on Autonomy	1.2.1, 2.2.1, 3.2.1
Dr. Anoop Kumar	Key personnel providing support to the TA 2 project team. Has broad expertise in machine learning, statistical modeling, and software engineering. Served as technical lead on the DARPA RSPACE program and has played a vital role in developing a system that fuses air operations data from multiple sources, maintains world state, and issues warnings	1.2.1,1.2.2, 1.2.3,1.2.4, 2.2.1, 2.2.2,2.2.3,2.2.4,3.2.1, 3.2.2, 3.2.3,3.2.4
Dr. Satish Kumar Thittamaranahalli	Key personnel providing support to the TA 2 project team. Research interests are in the area of machine learning/autonomous learning	1.2.1,1.2.2, 1.2.3,1.2.4, 2.2.1, 2.2.2,2.2.3,2.2.4,3.2.1, 3.2.2, 3.2.3,3.2.4, 1.1.4, 2.1.4, 3.1.4
Dr.Ryan Goodfellow	Key personnel providing support to the TA-1 project. Is involved in combined cyber physical simulation and emulation platform development. His formal background is in simulation algorithms and modeling techniques using differential-algebraic equations (DAE). He has applied this knowledge in the CPS space by integrating DAE modeling languages and simulation engines with network testbeds to create comprehensive scientific experimentation platforms for cyber-physical systems	1.1.3, 2.1.3, 3.1.3