

# Laboratorio ASTREA: Report Annuale sull'Attività Scientifica

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## Abstract

Questo documento riporta la produzione scientifica del laboratorio ASTREA per l'anno solare 2016.

## Descrizione

Il laboratorio Automated Strategic Reasoning (ASTREA) fa parte del Dipartimento di Ingegneria Elettrica e Tecnologie dell'Informazione ed ha come responsabile scientifico il Prof. Aniello Murano. Nel 2016, il laboratorio ha potuto contare sull'apporto scientifico di un nutrito gruppo di ricercatori, studenti di dottorato e tesisti, nonché della visita di diversi ricercatori da università Italiane ed estere. Inoltre, sono stati organizzati meeting di gruppo a cadenza settimanale che si sono rivelati di enorme utilità per la realizzazione dell'attività di ricerca programmata. Il laboratorio ha lavorato in stretto contatto con gruppi di ricerca esteri, tra i quali si riportano quelli di Moshe Vardi della Rice University, Alessio Lomuscio dell'Imperial College di Londra, Michael Wooldridge della Oxford University, Benjamin Aminof e Florian Zueleger della Wien University, Giuseppe De Giacomo dell'Università La Sapienza di Roma, Wojtek Jamroga della Polish Academy of Sciences, per citarne alcuni.

Tra le persone che localmente hanno partecipato alle attività del laboratorio nel 2016 si elencano, in aggiunta al responsabile scientifico, Sasha Rubin (Marie Curie Fellowship with Indam), Bastien Maubert (Marie Curie Fellowship), Dario Della Monica (Assegno di Ricerca Regione Campania e Indam Fellowship), Loredana Sorrentino, Vadim Malvone, Rossella Arcucci, Antonio di Stasio e Umberto Marotta. In aggiunta hanno partecipato alle attività del laboratorio i colleghi Luigi Sauro e Walter Balzano del dipartimento.

L'attività scientifica centrale del laboratorio ASTREA realizzata nel 2016 ha riguardato gli aspetti formali per il ragionamento strategico nel campo dei sistemi multi-agente. Altre attività non sono riportate per motivi di sintesi. Segue una lista dei lavori realizzati nel 2016 che hanno visto il coinvolgimento totale o parziale del laboratorio.

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