UNIVERSITÀ DELLA CALABRIA

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Ph.D. programme in Mathematics and Computer Science

Title: **Efficient ASP Techniques for Solving Hard Problems**

Speaker: **Dott. Carmine Dodaro, University of Genova**

Abstract:

Answer Set Programming (ASP) is a declarative formalism for knowledge representation and reasoning based on stable model semantics. During the recent years, ASP has become a popular paradigm for solving complex problems since it combines high knowledge-modeling power with robust solving technology.This course presents a practical introduction to ASP, aiming at showing the usage of languages and systems for solving hard application

at showing the usage of languages and systems for solving hard application problems. The first part of the course is a short introduction to the basic concepts of ASP, needed for understanding its semantics and solving techniques. The second part is dedicated on its usage for knowledge representation and reasoning in real-world contexts.

Course organization :
Friday, February 2, 2018: 9.30-11.30 am, MT 12
Monday, February 5, 2018: 9.30-11.30 am, MT 12
Tuesday, February 6, 2018: 9.30-11.30 am, MT 12
Wednesday, February 7, 2018: 9.30-11.30 am, MT 12