

Preface

This volume contains the papers presented at the 19th International FLAIRS Conference (FLAIRS-19) held 11–13 May 2006, in Melbourne Beach, Florida, USA.

The call for papers attracted 258 paper submissions, 56 to the general conference and 202 to the 16 special tracks. Each paper was reviewed by at least three reviewers, coordinated by the program committees of the general conference and the special tracks. The program committees accepted the 148 papers that appear in these proceedings, 130 as presented papers (24 from the general conference and 106 from the special tracks) and 18 as poster papers (6 from the general conference and 12 from the special tracks).

The best paper awards went to Jill Nickerson, Stuart Shieber, and Barbara Grosz: “Referring-Expression Generation Using a Transformation-Based Learning Approach,” and Olga Gurevich, Richard Crouch, Tracy Holloway King, and Valeria de Paiva: “Deverbal Nouns in Knowledge Representation.” The best student paper award went to Charles Fox: “Genetic Hierarchical Music Structures.”

The conference program included four invited talks, by Alan Bundy of the University of Edinburgh: “On Repairing Reasoning Reversals via Representational Refinements,” Bob Morris of the NASA Ames Research Center: “AI for Autonomy in Space Exploration: Current Capabilities and Future Challenges,” Mehran Sahami of Stanford University and Google: “Mining the Web to Determine Similarity Between Words, Objects, and Communities,” and Barry Smyth of the University

College Dublin: “Personalizing Web Search: Communities and Collaboration.” Additionally there were four invited talks in the special track sessions. Papers or abstracts for the invited talks are in these proceedings.

Thanks go to the authors (of both accepted and rejected papers); the special track co-ordinator Barry O’Sullivan and all the special track organizers; the program committees and their reviewers; the invited speakers; Philip Chan, Debasis Mitra, Raja Sooriamurthi, Ronaldo Menezes, and Marius Silaghi for organizing the conference; Jean Gerber for administering the conference; the Florida Artificial International Research Society for maintaining the conference series, the Florida Institute of Technology for their support; the American Association for Artificial Intelligence for its cooperation with the conference; Mike Hamilton for organizing the publication of the proceedings; and EasyChair for hosting the review process.

*Geoff Sutcliffe and Randy Goebel
FLAIRS-19 Program Chairs*