GECCO'13 Welcome to the Sixteenth International Workshop on Learning Classifier Systems (IWLCS)

It is our great pleasure to welcome you to the Sixteenth International Workshop on Learning Classifier Systems held in conjunction with GECCO 2013. Learning Classifiers Systems (LCSs) originated in work by Holland in the 70's which aimed to create cognitive systems that used evolutionary computation to learn to perform a certain task by interacting with its environment. Since that time, the LCS paradigm has broadened greatly into an algorithmic framework encompassing many representations, rule discovery mechanisms, and credit assignment schemes. LCS applications have varied greatly including problems in data mining, classification, function approximation, reinforcement learning, and on-line control. Classifier systems are an active area of research, fueled by novel reinventions of the LCS architecture such as those introduced in Wilson's accuracy-based XCS.

The first IWLCS was held in 1992 at the NASA Johnson Space Center in Houston, Texas. Since 1999, the workshop has been held yearly in conjunction with PPSN in 2000 and 2002, and in conjunction with GECCO in 1999, 2001 and from 2003 until the present. This year's workshop will include presentations of peer reviewed papers accepted by the IWLCS programming committee, as well as a panel discussion to answer questions and outline challenges and future directions for the LCS research community.

We would like to thank the authors of submitted papers and presenters as well as the participants for making this workshop a success. We also express our gratitude to the Program Committee for their hard and dedicated work.

We hope that you will find this program interesting and thought-provoking and that the workshop will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

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IWLCS'13 Organization

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