
Electrical & Computer Engineering
S E M I N A R
Louisiana State University

Annual IEEE Region 5 Student Robotics Contest

Hilmi Ozdoganoglu and Wojciech Stryjewski

**Department of Electrical and Computer Engineering
Louisiana State University**

Abstract—The IEEE Student Chapter at LSU will provide a presentation on their “maze-racing” robot that will compete at the annual region five IEEE conference. The presentation will demonstrate a working model of the robot and explain the hardware and software that was developed for the project.

For the past several years, IEEE region 5 has organized a student robotics contest that is held at the annual region conference. This year’s conference will be held in St. Louis, Missouri and will feature a competition in which the robots must navigate through an unknown maze and find the exit in the least amount of time. The competition itself will actually consist of two rounds: During the first round, the robot is given up to 20 minutes to wander around the maze until it finally finds the exit. Then, during the second round, the robot will use the information it gathered in the first round and race to the exit as fast as possible. The winning robot will be the one that completes round two in the least amount of time. The robot itself was designed and built completely by members of the IEEE Student Chapter. Because of limitations imposed this year on the robot’s physical dimensions, the entire robot was built from the ground up without reusing any components from previous robots—which in turn lead to several interesting innovations in the robot’s design.

When: Thursday, 23 March 2000, 13:30 - 14:30

Where: Room 145 EE Building

Info: <http://www.ee.lsu.edu/seminar>