Report

(1) Name of Lecturer: Jacir Luiz Bordim

(2) Position: Associate Professor

(3) Affiliation: Department of Computer Science, University of Brasília, Brazil.

(4) Short Biography:

Jacir Luiz Bordim received the B.S. degree from Passo Fundo University, Brazil in 1994, M.E. from Nagoya Institute of Technology, Japan, in 2000 and PhD from Japan Advanced Institute of Science and Technology in 2003, receiving the "Outstanding Achievement Award" for his work during the doctorate course. During 2003-2005, he worked in the development of adaptive medium access control for smart antenna technology at ATR - Adaptive Communications Research Labs, Japan. Since March 2005, Dr. Bordim is an Associated Professor at the Department of Computer Science at University of Brasilia, Brazil. His interests include graph theory, distributed algorithms, routing and medium access control protocols, energy aware computing, network design and analysis. Dr. Bordim has published in extensively in leading journals and international conference proceedings. He is serving on the program committees of international conferences and on editorial boards such as the International Journal of Foundations of Computer Science, the IEICE Transactions on Information and Systems, the International Symposium on Parallel and Distributed Processing and Applications, the International Workshop on Broadband Wireless Access for ubiquitous Networking, Workshop on Advances in Parallel and Distributed Computational Models, among others.

(5) Subject and Schedule of the Lectures:

The series of lectures (five in total) are part the course entitled "Data Communication for Embedded Systems". In this course, the students will lean and deal with several aspects of data communication, including socket programming,ureiniffers(dea4.8nctionat-4.8ecoblcdedaysys9(fiveeis)-3.9Thiincotalle2575.0gran5030226 Tc.0561 Tww[37
number of definitions and concepts that used throughout the course. The first homework (assignment#1) is handed to students to be returned on the next meeting.

- **Dec 12th, 2015:** (12:50-14:20)
  - This lecture reviews some aspects of socket programming and connection oriented and connection-less protocols. Examples of socket programming are presented to the students and discussed in class. The second homework (assignment#2) is handed to students to be returned on the next meeting.
- **Dec 14th, 2015:** (12:50-14:20)
  - This lecture presents an overview of transport layer protocols. In particular, it is discussed the differences between reliable and unreliable transport layer protocols. The third homework (assignment#3) is handed to students to be returned on the next meeting.
- **Dec 16th, 2015:** (14:35-16:05)
  - Routing protocols are an important issue in data communication, particularly for embedded systems. This lecture shows the main aspects of routing protocols and discusses them. The forth homework (assignment#4) is handed to students to be returned on the next meeting.
- **Dec 18th, 2015:** (12:50-14:20)
  - This lecture presents the main aspects concerning the data link layer. This, together with the other lectures, closes the short course on embedded data communication. The fifth homework (assignment#5) is handed to students.

(6) Comments:

During the course, approximated 20 students have attended the meetings. All students have been able to complete the assignments, showing that the students have been able to get a reasonable understanding of the lectures and their contents.