Projects in Optical Networks Class

1) Undergraduate Project:

Average Inversion Level and Gain Characteristics of EDFA
(Erbium Dopped Fiber Amplifier)

The project description and related information were distributed in class.

Project reports are **due on Monday, April 30th** by 8pm.

2) Graduate Project:

Topics on the Optical Raman Amplifiers

Journal papers on the optical Raman amplifiers (45 papers) are on reserve reading in SERC library. The student should choose a journal paper (or two if they are related) and write a report up to 4 printed pages.

The following papers have been already taken by some of the students:
3, 6, 13 and 29, 18.

Project reports are **due on Monday, May 7th**, by noon.

Selected reports on the Raman amplifiers will be presented on Tuesday, May 8th, from 5:00–7:00pm, ELE, Conference Room 240. This will give a chance to the students in the class to learn about some topics on Raman amplification, one of the most important concepts of optical networks for the high transmission speeds of 40Gb/s and beyond.