



University of Nova Gorica, Graduate School  
Environmental Sciences Study Programme

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## INVITATION TO THE LECTURE

### *Remote Sensing and Global Climate Change*

**Prof. Dr. William E. Eichinger**  
College of Engineering, The University of Iowa, USA

**Thursday, 26. 2. 2009 at 15:00**  
Lecture hall 201, Via della Croce 3, Gorizia, Italy

***Lecture will be held in English:***

*Many questions remain about climate change, and the physical processes involved. Because many of these processes are extremely large scale and long time span, they are not well-measured by conventional point measurements. Since models can only include physical processes of which we are aware, these processes are often not included or observed in the current global climate change models. Remote sensing from satellites is a tool that can be used to address this issue. This talk will discuss the challenges of making measurements over large areas over long times and how these measurements contribute to the evolution of our understanding of climate. Several examples of current issues and the role that satellite remote sensors play will be discussed as well as examples of the unresolved differences between model predictions and satellite measurements.*

***Kindly invited!***