



**RoEduNet IEEE International Conference 2010**  
Sibiu, Romania  
June 24-26, 2010



## **Securing Research and Education Networks: Challenges and Solutions**

Dr. Wolfgang Hommel  
Leibniz Supercomputing Centre  
Ludwig-Maximilians-Universität München, Germany

Recently, our life is full of hot tech gadgets, cool apps, smart phones, and computing clouds. However, because IT security is often sacrificed for functionality and ease of use, quite a lot of users, system administrators, and security managers occasionally enjoy the mixed blessing of breaking out in sweat, having their blood run cold, and feeling dumb or left out in the rain. But isn't that unavoidable? Why should we care about security? And is there anything we could do at all?

In this plenary lecture, we will investigate the security implications of how the ICT landscape of higher education institutions and research networks has changed in the past few years. We will analyze current and upcoming security challenges, not only on the technological level, but also regarding the security management processes in our complex, heterogeneous environments and regarding the involved people. On this basis we will discuss how both practitioners and researchers can contribute to continuously improving the overall security level step by step based on security management standards and best practices.