



# Secure Content Based Routing and further directions on Intel SGX (Secure Guard Extensions) Scientific Seminar

**Speaker: Rafael Pires**  
(Université de Neuchâtel)

**Location: Faculty of Computer Science**  
**November 4, 12:00 - Room C308**

Content-based routing (CBR) is a powerful model that supports scalable asynchronous communication among large sets of distributed nodes. A CBR router must see the content of the messages sent by data producers, as well as the filters registered by data consumers, which represents a threat to privacy. We implement a CBR engine that takes advantage of trusted hardware extensions that have just been introduced in off-the-shelf processors, namely Intel software guard extensions (SGX). An overview of Intel's software development kit for SGX will also be discussed.



This event is part of:

**EBSIS – Event Based Systems in Iași**

**A Twinning between Universitatea Alexandru Ioan Cuza din Iași,  
Université de Neuchâtel and Technische Universität Dresden**

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