



DESIGN CONCERNS FOR EMERGING OPERATING SYSTEMS

le 23 octobre 2007 de 10h15 à 12h00

ENS Rennes Amphithéâtre
[Plan d'accès](#)

Intervention de Ciarán Bryce, INRIA-Rennes Séminaire du département Informatique et télécommunications.

Résumé en anglais :

One of the key paradigms of today's information systems is community computing, which can be seen as the anti-thesis of personal computing. While each user does possess his own computer, community computing focuses on the issue that each user is dependent on a community of people and services for code and content. Organizational, social and legal issues regulate content usage and user actions within the community. For instance, licenses govern software sharing, the Law impacts on document archival, and organizational policies, like patch management policies for instance, influence security.

This talk examines operating system aspects of community computing platforms. Two recent technical advances contribute solutions. The first is trusted computing devices (e.g., TPM) that are now deployed in a broad range of computing devices for increased security. The second technical advancement is pervasive computing where computing devices equipped with wireless communication abilities are embedded into entities of the physical world. Pervasive computing helps to remove the frontier between the virtual and physical worlds, thus permitting community actions in the physical world to be regulated by operating systems (e.g., access rules on files and paper documents can be equally enforced).

THÉMATIQUE(S)

Recherche - Valorisation

CONTACT

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