

Workshop Proposal

Topic: Security, identity and privacy in the Ubiquitous Web

SECURITY, IDENTITY AND PRIVACY IN THE UBIQUITOUS WEB

Problems and Alternative Solutions

According to my view, Still, Security, identity and privacy in the Ubiquitous Web, its potential and problems has been a very interesting field of studies, and it has been a delight to put a lot of effort into a topic where I felt I have had so much to learn. Hopefully both my personal and professional outcome will prove useful for further research.

OUTLINE OF THE WORKSHOP TOPIC:

This topic presents the introduction of Security, identity and privacy in the Ubiquitous Web used to protect copyrighted content, why these systems are emphasized and by whom. Legal and technical aspects of such methods are also introduced. Moreover, progress in anti-piracy techniques and reasons for the current situation with online piracy are explained. In addition to presenting an alternative model for digital entertainment business, a new distribution system based on direct subscription on downloadable media files is suggested. Positive and negative aspects of these options are discussed, indicating how copyright owners and distributors will approach these challenges.

- Digital Rights Management - DRM
- Legal
- Watermark Attacks
- Piracy
- Business models
- Compensation
- New distribution model: Subscription
- Intellectual Property Right - IPR
- Copyright
- Freedom of speech
- Digital Watermarking

Introduction:

This topic covers the result of an investigation into the current situation for systems used to protect copyrighted material on the internet. As the motive with this topic is to bring light on positive as well as negative aspects of digital right management methods, the target audience is as much computer specialists as it is non-technical readers. Mainly it attempts to encourage more interest in the field of computer privacy, security and administration of digital restriction mechanisms. Hence, an in-depth introduction and presentation of technical as well as judicial means of such systems are given. This suggestion and the current business models for producers and distributors of digital entertainment is used as the foundation to suggest a new distribution system for digital entertainment files, namely a subscription service.

While intellectual property rights and piracy are addressed in general, focus is on distribution of digital music and movies. One reason for this is that piracy of such digital content has been given the most attention in the media lately, in particular because online distributors of illegally copied audio recordings and films are attacked aggressively. Another reason is that efforts to prevent unlawful distribution of entertainment files involve both the technical industries in addition to the record labels and movie studios, as well as the content owners and the performers. Hence, a broader perspective can be applied when investigating potential solutions to the piracy problem than if only looking onto problems and solutions for the computer industries.

The most important indications from this research is that legal means cannot fully protect the current business models, neither will the technology industries likely be able to implement complete protection of digital content. Moreover, the reality and consequences of internet piracy apparently being a lesser problem for the content industries than their lobby groups report, politicians should arrange for less restraining systems to prevent the impact of digital piracy.

Better approaches to solve these problems are alternative business models and in particular the subscription model suggested in this topic

MAIN OBJECTIVE

To develop a better security system for the Ubiquitous Web, & new distribution system for digital entertainment files