Content Processing Media Grid

Content Processing Media Grid, AXCP, of the DISIT Lab is the result of many years of research and innovation in the area of media computing, artificial intelligence and semantic computing. The AXCP solution was initially developed within the AXMEDIS project of the European Commission (http://www.axmedis.org) and then, it has been widely developed by the DISIT Lab with new functionalities and supports. AXCP is the perfect tool to automate the media and huge data set management and processing: repurposing, adaptation, reformatting, reconciliation, etc. It automates and optimizes back office activities of: social networks (semantic computing of the recommendations, suggestions, symbolic similarities, user generated content, user behaviour analysis), content production and delivering networks (for p2p, web based, broadcast, mobile), e-commerce and digital rights management portals, content production factories, etc. The AXCP consists in a simple language for the media grid computing and related production and management tools, allowing to integrate/enforce in any architecture and workflow: artificial intelligence and semantic computing solutions. AXCP has been praised as one of the most innovative research results obtained in the last years to automate the media content management by Insight Research, in the report "Content Management for Wireless Networks, 2008-2013" http://www.insight-corp.com/reports/content08.asp This has been also confirmed by the publication IEEE Multimedia, IEEE Computer Press, in press in the 2011. AXCP is currently distributed in its light freeware version in several portals, and it is used in several portals.

DIPARTIMENTO DI SISTEMI E INFORMATICA, UNIVERSITÀ DEGLI STUDI DI FIRENZE

The Department of Systems and Informatics of the University of Florence, includes a number of research labs; among them the DISIT Lab (Distributed Systems and Internet Technology, http://www.disit.dsi.unifi.it) is one of the most active in the areas of research and innovation such as: distributed systems, cross media content, distributed multimedia systems, mobile computing, media grid computing, semantic computing, symbolic music, e-learning and distance learning, e-health, semantic models, recommendations. DISIT Lab has been working on several international research projects, development and innovation projects and on technology transfer contracts. Activities are performed in collaboration with international labs and industries, and with the support of standardization bodies such as ISO MPEG. The DISIT Lab has managed to produce innovative solutions and tools which were downloaded thousand times per month, along a very long time span . DISIT Lab has received many awards, acknowledgments and positive reviews by international institutions and enterprises, and as well as by international agencies for technology innovation and research exploitation for Media Grid Computing solutions, electronic music stands, mobile solutions, social networking, etc. Recently, the DISIT Lab has started the process to set up a spin-off in the framework of the Florence University Incubator, called EffectiveMedia, where skilled experts of DISIT are engaged. The whole set of 4 innovations proposed by DISIT has been selected.

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