Who we are

STMicroelectronics is one of the world's largest semiconductor companies with net revenues of US$ 8.51 billion in 2009 and US$7.51 billion in the first nine months of 2010. Offering one of the industry's broadest product portfolios, ST serves customers across the spectrum of electronics applications with innovative semiconductor solutions by leveraging its vast array of technologies, design expertise and combination of intellectual property portfolio, strategic partnerships and manufacturing strength. The Company has particular strengths in Multimedia, Power, Connectivity and Sensing technologies, including wireless business conducted via ST-Ericsson, the 50/50 Joint Venture with Ericsson.

ST is among the world leaders in many different fields, including MEMS (Micro-Electro-Mechanical Systems) for portable and consumer devices, MPEG decoders and smartcard chips, automotive integrated circuits, computer peripherals and wireless. ST has a strong focus on delivering solutions that reduce energy consumption at the point of use in domestic and industrial applications; all aspects of security and data protection; and a growing presence in the emerging advanced healthcare market.

The group has approximately 51,000 employees, 15 main manufacturing sites, advanced research and development centers in 10 countries.

Relevant R&D background

As part of ST's continuous efforts to innovate products, the Advanced System Technology group (part ST's corporate system R&D) has researched in the recent past how to best fit next-generation web services into current & future product offerings for consumer & mobile SoC. The charter of this activity includes monitoring emerging market trends, technologies, services and use cases; perform technical benchmark of the underlying technical challenges and on the way to solve/implement them; feedback with our findings both the external (i.e. industry alliances, open source projects, standardization fora, technical publications/conferences/workshops) and internal technical community.

In particular, we have experimented on how to support use cases like P2P, OTT and IPTV streaming, including HTML5 videotag support; underlying emerging operating systems (such as Linux and its "specializations" like Meego, Android) and multimedia frameworks (such as Gstreamer); we also foresee for the future the possible rise of other services/applications such as online gaming, remote domestic monitoring, machine-2-machine and IPv6 support, healthcare remote applications, immersive 3D telepresence, Multimedia Information Retirieval/Augmented Reality to name a few.

Position/Specific Interest

Our interest in joining this workshop and more in general this discussion forum is to help build a consensus on which technological solutions could underpin the emerging Web services to converge on global standards that could eventually enable widespread adoption across a range of heterogeneous connected platform (consumer, mobile, automotive) of innovative web services.