Enterprise multimedia security is the key to achieving global information security in business and organizations. Fog/Edge computing is a new paradigm for enterprise where businesses need to be secured. However, this new trend needs to be more systematic with respect to fog/edge multimedia security, which is a factor in sustaining cloud technology by building-in trust. For example, current challenges with cyber security and application security flaws are highlighting important lessons to be learned and also lead to the adoption of best practices. Similarly, as the demand for multimedia services increases, the importance of security and privacy is always on the way up. We oversee the importance of enterprise security as a unique and rising field to ensure all aspects of security and risks can be identified, surveyed, tested, prototyped and minimized with recommendations and lessons learned disseminated. The scope of enterprise multimedia security has expanded into risk management/analysis, management of future technologies such as internet of things and big data and modern ethical hacking methods with multimedia. We need to provide a robust and enhanced level of security. As a result, we seek high quality papers demonstrating proofs-of-concept, prototype and successful implementation for fog and edge computing in Enterprise Multimedia Security (EMS).

Topics include the followings but not limited to:

- Algorithms, software engineering and development for EMS
- System design and implementation for EMS
- Testing (software engineering; penetration; product development) for EMS
- Encryption (all aspects) for EMS
- Firewall, access control, identity management for EMS
- Experiments of using security solutions and proof-of-concepts for EMS
- Large-scale simulations in the Cloud, Big Data and Internet of Things for EMS
- Intrusion and detection techniques for EMS
- Social engineering and ethical hacking: techniques and case studies for EMS
- Risk Modeling, business process modeling and analytics for EMS
- Trust and privacy for EMS
- Data security, data recovery and disaster recovery for EMS
- Data center management for EMS
- Risk management and control for EMS
- Business and economic models for EMS
• Emerging issues and recommendations for organizational security for EMS
• E-Commerce and online banking for EMS
• Social network analysis, emerging issues in social networks for EMS
• Surveys and their quantitative analysis for EMS
• Architecture (technical or organizational) for EMS
• Case studies for EMS

Submission Guidelines

Authors should prepare their manuscript according to the Guide for Authors available from the online submission page of Multimedia Tools and Applications. Authors should select “MTAP SI 1138T: Fog/Edge Computing in Enterprise Multimedia Security” when they reach the “Article Type” step in the submission process.

Tentative schedule
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