Workshop on Ubiquitous Computing Technologies and Applications

Ubiquitous computing extends conventional human-computer interaction paradigms to small computing devices that are wirelessly connected and unobtrusively embedded in objects and environments. It opens up a new realm of smart pervasive applications, enabled through distributed sensing and collaborative reasoning, in the areas of critical infrastructure security, heritage conservation, home monitoring, proactive healthcare delivery, search&rescue, sports, media, just to name a few. Research and development activities in a number of multidisciplinary topics are currently underway for the realization of such potential. In view of this, Nile University is pleased to announce its first workshop on ubiquitous computing. The objective of the workshop is to present and discuss recent technologies related to this emerging area.

The workshop is organized by the Ubiquitous Computing group (UbiComp) at the Center for Informatics Science (CIS), Nile University, and features distinguished speakers from Imperial College London, The Center for Documentation of Cultural and Natural Heritage (CultNat) and CIS. The topics to be discussed include overview of ubiquitous computing technologies and applications, ubiquitous visual sensing for archaeology conservation, and distributed machine intelligence models for ubiquitous systems. Additional topics comprise 3D monitoring&visualization, distributed target classification and hardware platforms for ubiquitous sensing deployments.

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