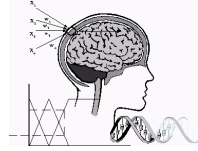




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:** integration of indoor and outdoor localization services in smart city environment.

**Name of Chair:** Walter Balzano

**Details of Session:**

one of the main problems relating to the evolutionary complexity of localization systems is that relating to the integration of two main systems: indoor and outdoor localization.

Mostly, many systems have developed different technologies using a main reference system such as that of GPS satellite localization or that of internal fingerprinting. Since localization often concerns dynamic systems in motion, it is interesting to try to merge the different classes of methodologies, integrating the advantages and/or availability offered by the single technologies. A further opportunity offered for the development of this research area may be the latest wearable technology.

Different final objectives could be defined as the improvement of the accuracy of the localization, the greater availability of the service, softer transitions in the cases of crossing of areas served by localization services that employ different models and technologies.

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