



UPO UNIVERSITÀ DEL PIEMONTE ORIENTALE
DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

EVENTI DiSIT

Seminario

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10:30-11:30

AULA C192

Personalised Interactive Supports for People with Autism Spectrum Disorder

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The suggestion of Points of Interest to people with Autism Spectrum Disorder (ASD) challenges recommender systems research because these users' perception of places is influenced by idiosyncratic sensory aversions which can mine their experience by causing stress and anxiety. Therefore, managing individual preferences is not enough to provide these people with suitable recommendations. In order to address this issue, we propose a Top-N recommendation model that combines the user's idiosyncratic aversions with her/his preferences in a personalized way to suggest the most compatible and likable Points of Interest for her/him. We are interested in finding a user-specific balance of compatibility and interest within a recommendation model that integrates heterogeneous evaluation criteria to appropriately take these aspects into account. In this seminar, I'll talk about the PIUMA (Personalised Interactive Urban Maps for Autism) project, from the different points of view we adopted, both crucial for creating a valuable experience: user modelling and recommender systems (for the provision of a service tailored to user's preferences, needs and aversions), and human-computer interaction (for the design and evaluation of the inclusive solution).

EVENTO APERTO A:

Docenti, Borsisti, Assegnisti, Dottorandi

SEMINARIO IN LINGUA: ITALIANO

