

**ID: MSCA-2020-BSigner03**

**Title: Personal Cross-Media Information Management**

Personal Information Management (PIM) deals with the collection, organisation and retrieval of personal information. While most existing solutions focus on digital information only, our research on Personal Cross-Media Information Management investigates solutions and frameworks that bridge the gap between digital and physical information spaces. We aim for less information fragmentation by developing the necessary infrastructure to store, organise and link information across different types of media (e.g. emails, digital documents as well as printed articles and books or handwritten notes). Depending on a potential candidate's expertise and interests, we see various possible research directions in the domain of Personal Cross-Media Information Management, ranging from the development of enhanced data management and linking solutions for digital and physical information (based on the resource-selector-link (RSL) hypermedia metamodel) to solutions for the sharing of information between users and the enhanced tracking and integration of physical and digital information. Furthermore, there is a need for innovative cross-media user interfaces that go beyond the classical Desktop Metaphor in order to manage and efficiently retrieve information managed by a Personal Cross-Media Information Management solution. Of course also the study of existing work practices and the evaluation of prototypes via in-the-wild user studies might create some new insights and knowledge on how to best support cross-media information management and which forms of next generation user interfaces (e.g. based on augmented reality) might lead to a more efficient and satisfiable organisation and retrieval of our daily information.

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