Welcome Message from CIF-2012 Workshop Co-Chairs

Complex communication systems are characterized by the presence of intricate interactions between their heterogeneous parts, and an overall behavior which cannot be easily explain by the properties of these individual components.

For such systems, it is therefore particularly interesting to focus on how information flows between these parts, in terms of dynamical and statistical properties. Whether this flow has to be optimized or controlled, understanding its structure and dynamics is crucial. For many systems, the security of this information flow, or the level of synchronization between entities, also need to be considered.

These questions cover a number of problems, from data transfer in cloud computing and in high-performance computing, to information diffusion in mobile ad-hoc networks.

The aim of this workshop is to give an overview of current knowledge on complex information flows, and to consider translational aspects between multidisciplinary research areas. Open issues and research challenges will be discussed, so as to provide a vision, and possible solutions, for the future of the field.

The organizers would like to express their thanks to valuable contributors who posted their worthy results to present in the workshop, as well as thanks for invited speakers to present advanced activities in this field. It is another great pleasure of the organizers that members of CIF-2012 Technical Program Committee paid great efforts to bring this workshop possible.

CAF-2012 Workshop Organizers

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