Preface

The Workshop on Artificial Intelligence with Application in Health (WAIAH 2017) was held in Bari (Italy) on November 14, 2017, within the 16th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2017).

Artificial Intelligence is changing the healthcare industry from many perspectives; a major topic of AI in medicine is the one related to Clinical Decision Support (CDS) to assist clinicians at the point of care. CDS can support all aspects of clinical tasks, but to be effective, it must be properly integrated within the clinical workflow as well as with health records. A typical application is a Computer Aided Diagnosis (CAD) to assist doctors in the interpretation of medical signals and images. CAD involves not only AI but also Computer Vision, Signal Processing and specific medical aspects. CADs find application in: breast cancer, lung cancer, colon cancer, coronary artery disease, Alzheimer's disease and many others. eHealth is relevant to the AI community, in fact many open research aspects are still open in the field: Big Data (data collection, processing, etc.), interoperability of systems, IoT and health, human/patient interaction with advanced devices, medical signal and image processing, medical expert systems, etc. Most part of submission received fall within the mentioned topics covering theoretical and practical aspects as well as technologies. Each submission underwent a peer-review process, seven papers were accepted for oral presentation. We would like to thank the Program Committee and the authors who responded to the call for papers.

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Donato Impedovo
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Workshop Chairs

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