A look back at the last edition of the AI4Health Summer School

The latest edition of the AI4Health Summer School, dedicated to artificial intelligence (AI) applied to healthcare, was held from the 3rd to the 7th of July 2023 at PariSanté Campus. Organised by the 3IA Interdisciplinary Institutes (Prairie, MIAI Grenoble, 3IA Côte d'Azur) and the Health Data Hub, this 3rd edition was a success. The organisers would like to thank all the participants, speakers and partners who contributed to the success of this event, which has become a key event in the ecosystem over the years.

Each year, AI4Health offers to students, researchers and professionals the opportunity to learn about the techniques of artificial intelligence in healthcare, with internationally renowned speakers giving plenary lectures and practical sessions over the course of a week. The subjects covered include both the challenges of developing AI in healthcare (ethics, regulation, etc.) and highly specialised technical aspects.

Co-organised by the 3IA Côte d'Azur, MIAI Grenoble, Prairie and the Health Data Hub, and with the support of 14 industrial partners, this new edition brought together more than 300 participants, from 27 countries, in both on-site and online sessions. Once again, the event attracted a wide range of participants, with around 60% students, 20% academics and 20% representatives from the private sector.

Alessandro Blasimme (Senior reader in Bioethics at the Swiss Federal Institute of Technology - ETH Zürich), Andrzej Rys (Principal Scientific Adviser, Directorate-General for Health and Food Safety (DG SANTE), European Commission) and Mihaela Van der Schaar (Professor of Machine Learning, Artificial Intelligence and Medicine at Cambridge University and member of the Alan Turing Institute in London) all spoke at the opening session, which is available to watch on replay.

Over the last two days of the school, more than 40 students presented their posters, and the AI4Health scientific committee wanted to reward two posters. Nikolaos Nikolaou, a PhD student at the Helmholtz Zentrum in Munich, presented his work on the development of a nationwide machine learning framework for predicting cardiovascular health on the basis of environmental, socio-economic and residential characteristics. Jack Breen, postdoctoral fellow at the University of Leeds, presented a poster on the efficient subtyping of ovarian cancer histopathology from whole slide images using active sampling in multiple instance learning.

The AI4Health Summer School was a great success with the participants, 88% of whom rated the event positively. This satisfaction was largely due to the plenary sessions, which were appreciated for the diversity of subjects covered, the high quality of the speakers and the opportunity to access the work of other participants during dedicated poster sessions. Participants also praised the organisation of the practical sessions, which enabled them to acquire new skills and interact more easily with the professors. Nearly 85% of them are interested in attending the event again.

We would like to extend our warmest thanks to the speakers and participants for their involvement, and to all the partners who have made this year's edition possible!