Short Bio

Nicholas Ayache is a research director at Inria, where he leads the EPIONE research team, dedicated to the digital patient and digital medicine. He is also the Scientific Director of the Interdisciplinary AI Institute *3IA Côte d'Azur*, where he holds a research chair. His current research focuses on the introduction of AI algorithms to guide the prevention, diagnosis, prognosis and therapy of patients based on their medical images and all available data.

N. Ayache has been a member of the French Academy of Sciences since 2014 and an open member of the French National Academy of Surgery since 2017. In 2013-2014 he was a visiting professor at the Collège de France, where he introduced a new course on the "personalized digital patient". At its creation in 2012, he was the first Scientific Director of the *Institut Hospitalo-Universitaire* (IHU) of Strasbourg for 4 years. In 2007, he was a visiting researcher at MIT and Harvard (Boston). He is or has been a member of several strategic boards in France and abroad, including the Conseil Scientifique d'Ile de France. He is a member of the strategic council of the recently created IHU RespirERA in Nice, dedicated to lung diseases.

N. Ayache has published over 400 highly cited scientific articles (60,000 citations, h-index 116). He is co-founder and co-editor-in-chief of the scientific journal Medical Image Analysis (impact factor 13,828 in 2021). He is co-author of a dozen industrial patents and has co-founded seven high-tech companies.

N. Ayache received the International Steven Hoogendijk Award in 2020, the Grand Prix de la Ville de Nice in 2019, the Grand Prix Inria-Académie des sciences in 2014, the Microsoft Grand Prize for Research in Europe (Royal Society and Academy of Sciences) in 2008, and the EADS Foundation Information Science Award in 2006. In 2012-2017, he was a laureate of the European Research Council (ERC).

N. Ayache has been a Chevalier de l'Ordre des Palmes Académiques since 2017. He is a Fellow of the American Institute for Medical and Biological Engineering (AIMBE), Fellow of the European Alliance of Medical and Biological Engineering and Science (EAMBES) and Fellow of the Medical Image Computing and Computer Assisted Intervention (MICCAI) Society, from which he received the Enduring Impact Award in 2013.

N. Ayache holds a civil engineering degree from the École des Mines de Saint-Étienne (1980), a Master of Science (1981) from the University of California at Los Angeles (UCLA), and doctorate-engineer (1983) and *Thèse d'Etat* (1988) degrees from the Université de Paris-Sud (Orsay).

Further information: http://www-sop.inria.fr/members/Nicholas.Ayache/ayache.html

Publications: https://scholar.google.com/citations?user=29XL16UAAAAJ