Weaving a Web of Augmented Intelligencet

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From its inception, the Web was quickly percei-ved as a vast source of knowledge for people all over the world and it took some time to un-derstand that its potential goes far beyond. Not only did it become the most popular architectu-re for developing Internet applications it also became a place for all sorts of programs to in-teract and exchange knowledge. This is also confirmed by the latest evolutions of AI that produce and consume a lot of information and data on the Web. In fact, using examples from several projects, we will see that the Web is now providing a universal hypermedia linking all forms of intelligence and knowledge, and sup-porting their evolutions on public and private networks. For this reason, we will show that the Web and its extensions must be designed to be human-centered in order to enable the futures we want and to avoid the futures we fear.

Fabien Gandon is a Research Director in In-formatics and Computer Science at Inria, the leader of the joint Wimmics team (Universi-té Côte d'Azur, Inria, CNRS, I3S) and a pro-fessor and co-president of the Scientific Board of the Data Science Tech Institute (DSTI). His PhD in 2002 pioneered the joint use of distributed artificial intelligence (AI) and semantic Web. In 2004, recruited as a researcher at Inria, he started to study mo-dels and algorithms to integrate social media and knowledge-based AI systems on the Web with humans in the loop. In 2012, he became the representative of Inria at the World-Wide Web Consortium (W3C). The same year he founded the Wimmics re-search team on bridging social and formal semantics on the Web with AI methods. In 2018, Fabien became Vice-head of research for Inria Université Côte d'Azur for a 4-year term and in 2019 he was awarded a chair in AI by the institute 3IA Côte d'Azur.

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