

# **Influence, Radicalization and Dangerous Things : What AI Can Reveal About the Phenomena**

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## **Biography**

Frédérique Segond, HDR, is Director of the Defense and Security Mission at Inria and associate researcher of the ERTIM team at the Institut National des Langues et cultures Orientales where during 7 years she taught knowledge representation and information retrieval. From September 2018 to February 2020 she was Director of Intelligence R&D department at Bertin IT. Previously, she was Director of Partnerships and Innovation at Grenoble Alpes University. In 2011, she joined VISEO, a French ETI, to create and lead the company's Research Center. Frédérique worked for 18 years at the Xerox European Research Center in Grenoble where she was Principal Scientist and led the research group specialized in natural language processing. Throughout her research career she has defined, worked on and led more than 30 national and international collaborative research projects. She has also worked at the IBM France scientific center, at the IBM Watson research center in Yorktown, USA and was a lecturer at Telecom Paris Sud. Frédérique is co-author of six books, more than 80 scientific articles and 5 patents. She was, for 6 years, president of the "Association pour le Traitement Automatique des Langues (ATALA)". She was also president of the evaluation committee of the CONTINT program at the Agence Nationale pour la Recherche (ANR), member of the steering committee, and member of the Board of Directors of ELRA (European Language Resources Association), member of the Communauté d'Universités et Etablissements (COMUE) de Grenoble Alpes. Today she is an expert for the CAP Digital competitiveness cluster and also provides her expertise to various national and international entities. She is a member of numerous program committees. Frédérique created ScientiMix, an association for the promotion of gender diversity in Science and Technology, of which she is the President.

## **Summary**

Today, we are witnessing, across Europe, a growth in protest movements targeting diverse specific groups (e.g. law enforcement agencies (in particular the police forces), LGBT, foreigners/immigrants, media, intellectuals, politicians). Participants in these movements are also very diverse ranging from peaceful groups of citizens to violent radicalized individuals or even

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states whose aim is solely to cause as much chaos as possible to gain power. There is, however, one common element, which unifies all these movements and individuals: their use of the Internet. Radicalized groups or states are often behind these protest movements. They manipulate people's opinions on social networks to promote violence, hate, racial religious and/or social group intolerance inside European societies, leading to social polarization and endangering democracies. The development of research and technologies using Artificial Intelligence able to early detect online radicalization and influence can support the capability of European societies to prevent social polarization and violent radicalization. In this talk, using examples from different projects and use cases, we will present where, how and to what extent AI can help in understanding, detecting, anticipating and preventing online influence and radicalization.