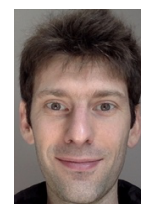


Pierre-Edouard PORTIER

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Since 2011, Pierre-Edouard Portier is associate professor at INSA Lyon (France) Computer Science & Information Technologies (CS&IT) department where he also studied and obtained an engineering degree. After his MSc, he obtained in 2010 a PhD degree in computer science, more specifically in the field of digital humanities.

Research topics: His research addresses topics in the fields of machine learning and soft computing techniques applied to big data analytics (e.g. anomaly detection, crash prediction, traffic forecasting...), semantic web search and document engineering. He published approximately 25 peer-reviewed works in conferences and journals. His particular research interest lies in explainable machine learning and the discovery, modeling and representation of knowledge to be integrated into a data analytics process.

Management & community activities: He is currently in charge of business relations for INSA Lyon CS&IT. He is an elected representative for the LIRIS laboratory board¹. He is an active member of IRIXYS², an International Research and Innovation Center in Intelligent Digital Systems. He has also an activity in academic consulting. For example, he is lead scientist in the context of a long-term collaboration with a company running part of the French highway network (traffic forecasting, safety improvement); he also did data analytics for a banking company. He has been a member of various program committees and reviewers for journals, conferences and workshops such as Elsevier's Expert Systems with Applications, Wiley's Expert Systems, Springer's EPJ Data Science, the European Conference on Information Retrieval, ACM I-KNOW conference, IEEE International Conference on Web Intelligence, etc. From September 2018 to September 2020, he has been deputy director in charge of digital strategy at INSA Lyon. Until September 2018, he managed the organization of seminars with industrial partners invited to share their expertise with INSA Lyon students. From 2015 to 2019, he was responsible for the 4th year of studies at INSA Lyon CS&IT. During the academic year 2015-2016, he managed its evolution towards a more pronounced project-based learning pedagogy. From 2012 to 2018, he was an elected member of INSA Lyon CS&IT board.

Lecturing: Pierre-Edouard Portier is teaching artificial intelligence, data analytics, agile software development methodologies and formal methods for software quality at INSA Lyon CS&IT. He supervised 6 PhD students in computer science at LIRIS laboratory.

Key publications:

- Yvan Lucas, Pierre-Edouard Portier, Lea Laporte, Sylvie Calabretto, Olivier Caelen, Liyun He-Guelton, Michael Granitzer: **Towards automated feature engineering for credit card fraud detection using multi-perspective HMMs**. Future Generation Comp. Syst. 2020.
- Johannes Jurgovsky, Michael Granitzer, Konstantin Ziegler, Sylvie Calabretto, Pierre-Edouard Portier, et al.: **Sequence Classification for Credit-Card Fraud Detection**. Expert Systems with Applications, Elsevier, 2018
- Vincent Barrellon, Pierre-Edouard Portier, Sylvie Calabretto, Olivier Ferret: **Linear Extended Annotation Graphs**. ACM Symposium on Document Engineering 2017
- Vincent Barrellon, Pierre-Edouard Portier, Sylvie Calabretto, Olivier Ferret: **Schema-aware Extended Annotation Graphs**. ACM Symposium on Document Engineering 2016

¹ <https://liris.cnrs.fr/en>

² <https://irixys.uni-passau.de/>

- Mazen Alsarem, Pierre-Edouard Portier, Sylvie Calabretto, Harald Kosch: **Ranking Entities in the Age of Two Webs, an Application to Semantic Snippets**. ESWC 2015: 541-555
- Pierre-Edouard Portier, Sylvie Calabretto: **DINAH, A Philological Platform for the Construction of Multi-structured Documents**. ECDL 2010: 364-375