



MARIE SKŁODOWSKA-CURIE POSTDOCTORAL FELLOWSHIPS 2021
EXPRESSION OF INTEREST FOR HOSTING MARIE CURIE FELLOWS

HOST INSTITUTION

NOVA University Lisbon | School of Social Sciences and Humanities

RESEARCH GROUP AND URL

Citizenship, Work and Technology
<https://www.cics.nova.fcsh.unl.pt/research/research-groups/2-citizenship-work-and-technology>

SUPERVISOR (NAME AND E-MAIL)

Nuno Boavida
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SHORT CV OF THE SUPERVISOR

Nuno Boavida is a specialist working in the intersection of technology and labour. The research fellow of CICS.NOVA is the Deputy-Director of the Observatory of Technology Assessment since 2016, and is presently the scientific leader of the European project CROWDWORK – Finding new strategies to organize workers of digital platforms in the Gig economy (2019-2021). He received the Santander/NOVA Collaborative Research Award for the project INTELIART to study the penetration of Artificial Intelligence and its effects in labour in the next decade (2020-2022). He is also involved in the following European projects:

- INVOLVE | Involving social partners in dual Vocational Training governance: Exploring the contribution of social partners in the design, renewal and implementation of dual VET (Principal investigator of the Portuguese team; 2020-2022);
- WORK-LIFE BALANCE | Role of collective bargaining in shaping work-life balance in the public service sector: Challenges and perspectives (Principal investigator of the Portuguese team; 2020-2022);
- METALWORKERS 4.0 | Study of the high skills of employees as a measure for high adaptability of enterprises to technological changes (member of the Portuguese team; 2020-2022).

In the past, the researcher was involved in the European project DEEP VIEW, which studied the social dialogue and collective bargaining practices that address the various effects of teleworking, digital work, virtual work and/or telecommuting (2018-2020); and in several research projects related to innovation indicators, technology assessment and labour studies (2009-2015)

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5 SELECTED PUBLICATIONS

1. González, Francisco, Santiago Gómez, Guillermo Mendizábal and Nuno Boavida. 2017. "Evaluación del impacto social de la tecnología en España y Portugal" In *El riesgo tecnológico II – Impactos sociales*, edited by Cristina Palma Conceição and Marta I. González García, 21-52. Madrid: Los Libros de la catarata. ISBN: 978-84-9097-383-7. https://www.catarata.org/libro/el-riesgo-tecnologico-ii_71467/
2. Boavida, Nuno. 2016. "The Use and Influence of Indicators in Decisions About Technological Innovation - Quantitative Results from Questionnaires in Portugal." In *Scientific Knowledge and the Transgression of Boundaries*, edited by Bettina-Johanna Krings, Hannot Rodríguez, and Anna Schleisiek, 59–99. Wiesbaden: Springer Fachmedien Wiesbaden. ISBN: 978-3-658-14449-4. DOI:10.1007/978-3-658-14449-4_4. <https://drive.google.com/open?id=1BRZoGpu6YXJm0bhu0bJ3LQneNZFuXiZ4>
3. Boavida, Nuno, and António Moniz. 2016. "Technology Assessment in Non-PTA Countries: An Overview of Recent Developments in Europe." In *Technology Assessment in Japan and Europe*, edited by António

Brandão Moniz and Kumi Okuwada, 75–88. Karlsruhe: KIT Scientific Publishing Lisboa (cited by 1 in Google scholar). ISBN: 978-3-7315-0429-0. DOI:10.5445/KSP/1000048740. <http://www.ksp.kit.edu/9783731504290>

4. Boavida, Nuno, and Stefan Bösch. 2015. "Indicators in Technology Assessment – Passive Choices or Reflected Options?". In *The Next Horizon of Technology Assessment Proceedings from the PACITA 2015 Conference in Berlin*, edited by Tomáš Michalek, and Constanze Scherz, 33-40. Prague: Technology Centre ASCR. ISBN: 9788073331214. DOI: 10.13140/RG.2.1.1457.9281 https://www.itas.kit.edu/english/2016_018.php
5. Boavida, Nuno; António Moniz, and Manuel Laranja. 2014. "Towards an assessment of the Portuguese e-mobility case: The Mobi-E". In *Technology Assessment and Policy Areas of Great Transitions*, edited by Tomáš Michalek, Lenka Hebáková, Leonhard Hennen, Constanze Scherz, Linda Nierling and Julia Hahn, 263-269. Prague: Technology Centre ASCR. ISBN: 9788073331061. DOI: 10.13140/RG.2.1.2573.5762. <http://www.pacitaproject.eu/wp-content/uploads/2014/11/Conference-Book.pdf>

PROJECT TITLE AND SHORT DESCRIPTION

Artificial Intelligence - Implications on work, employment and industrial relations in the EU

Project AIIR aims to improve expertise in the field of industrial relations through research about the penetration of AI and its implications on work organization, working conditions, employment and industrial relations systems.

The implications of automation in labour have rarely been studied approaching one single emergent technology with the potential to swiftly change employment patterns. The emergence of artificial intelligence (AI) has the potential to create disruptive effects in the employment systems across the world. The future deployment of broad-spectrum algorithms capable of being used in wide areas of application (e.g. industrial robotics, software, data communication) can lead to considerable changes in current work patterns, swiftly render many unemployed across the globe and profoundly destabilise labour relations. Most studies apply models to professions and tasks (e.g. Frey and Osborn; Author 2015). The project will be dedicated to answer the question: what are the implications of AI in work, employment and industrial relations systems?

AIIR will study these implications in three sectors: automotive, finance and logistics. The project will develop interviews with innovation experts and technology managers in companies about the penetration of AI, experts on work organization and labour processes and actors of industrial relations. Results will contribute to the debates about the digitalization in society; automation effects on the organization of work, working conditions, employment and industrial relations; and elaborate on policy options in a selection of European countries (Portugal, Spain Hungary and Finland) and inform policies, science community and wider European public.

SCIENTIFIC AREA WHERE THE PROJECT FITS BEST*

Social Sciences and Humanities (SOC): Sociology of technology or sociology of work