

<p align="center"><b>European Conference on the Impact of AI and Robotics (ECIAIR 2021)</b>  <b>18 - 19 November 2021</b>  <b>A Virtual Conference supported by Instituto Universitário de Lisboa (ISCTE-IUL)</b>  <b>Conference runs to UK/Portugal timings (GMT)</b></p>		
<b>Thursday 18 November 2021</b>		
<b>08:30</b>	Zoom Room 1 Opens	
<b>09:00</b>	<b>Welcome and Opening: Isabel Salavisa, Vice Rector, ISCTE- Instituto Universitário de Lisboa, Portugal</b>	
<b>09:15</b>	<b>Keynote presentation: Luis Paulo Reis, University of Porto, Portugal</b> <b>"Ethical, Explainable and Configurable Artificial Intelligence"</b>	
<b>10:00</b>	<i>Short break while Conference splits into streams</i>	
	<b>Room: 1</b> <b>Stream A: Mini Track on AI Ethics, from Design to Certification</b> <b>Chair: A G Hessami</b>	<b>Room: 2</b> <b>Stream B: Mini Track on Human Centred Futures; human factors for industry 4.0</b> <b>Chair: Karen Cham</b>
<b>10:10</b>	Mechanisms and Constraints Underpinning Ethically Aligned Artificial Intelligence Systems: An Exploration of Key Performance Areas Stephen <b>Treacy</b> , University College Cork, Ireland	Human Rights, Employee Rights and Copyrights: Parallels of AI Enablers and Obstacles Across Occupations in Human-Centric Domains Juha <b>Saukkonen</b> , Kirill <b>Anton</b> , Nikita <b>Karpov</b> and William <b>Lahti</b> ,
<b>10:30</b>	Computerised Consequentialism to Support Moral Reasoning and Decision Making in Crisis Management Niklas <b>Humble</b> and Peter <b>Mozelius</b> , Mid Sweden University, Östersund, Sweden	Eliciting Personal Attitude Changes on Friendship Based on a Multilinear Narrative. Thomas <b>Keller</b> , Elke <b>Brucker-Kley</b> , Thierry <b>Seiler</b> and Larissa <b>Läubli</b> , ZHAW, Winterthur, Switzerland
<b>10:50</b>	Comparison of European Commission's Ethical Guidelines for AI to Other Organisational Ethical Guidelines Minna <b>Nevanperä</b> , Jyri <b>Rajamäki</b> and Jaakko <b>Helin</b> , Laurea University of Applied Sciences, Espoo, Finland	Industry 4.0: The Potentials of Skilled and Unskilled Workforce in Developing Countries Oludele <b>Awodele</b> , Babcock University, Ogun State, Ogochukwu <b>Ngige</b> , Federal Institute of Industrial Research Oshodi, Lagos and Oluwatobi <b>Balogun</b> , Bells University, Ota Ogun State, Nigeria
<b>11:10</b>	3D Printing, AI, Nanotechnology and Organ Printing: An Ethical and Anticipatory Ethical Analysis Richard <b>Wilson</b> , Towson University, Towson, USA (Presentation Only)	Emotional Response and Cognitive Performance in Digital vs. Presential Environments Anabela <b>Pereira</b> , ISCTE, Instituto Universitário de Lisboa, Lisboa, Portugal (Masters)
<b>11:30</b>	<i>Break</i>	<i>Break</i>
	<b>Room: 1</b> <b>Stream A: Employment Issues</b> <b>Chair: Florinda Matos</b>	<b>Room: 2</b> <b>Stream B: Education and Knowledge</b> <b>Chair: Stephen Treacy</b>
<b>11:40</b>	Will Robots Take all the Jobs? Not yet Liadan <b>Anandarajah</b> and Dagmar <b>Monett</b> , Berlin School of Economics and Law, Germany	AI for learning: Views on impact to teachership in the era of Artificial Intelligence Juha <b>Saukkonen</b> , Mari <b>Huhtala</b> , Mika <b>Rantonen</b> and Elina <b>Vaara</b> , JAMK University of Applied Sciences, Jyväskylä, Finland
<b>12:00</b>	AI System focused on Covid-19 Pandemic: Results and Impacts Claudia <b>Lopes Pocho</b> , Marcelo <b>de Carvalho</b> , Ricardo André <b>Marques</b> , Ana Claudia <b>Rodrigues da Silva Quirino</b> , Luiz Humberto Werdine <b>Machado</b> and Marcelo <b>Fernandez Pineiro</b> , Marcelo <b>de Carvalho</b> , Furnas Centrais Elétricas S.A., Carlos Frederico <b>Maciel Silveira</b> , Cyberlabs Produtos e Serviços Tecnológicos S.A, Brazil (Non-academic contribution)	Raising Artificial Intelligence Bias Awareness in Secondary Education: The Design of an Educational Intervention Georgios <b>Fessakis</b> and Stavroula <b>Prantsoudi</b> , University of the Aegean, Rhodes, Greece
<b>12:20</b>	Artificial Intelligence Strategies and Their Impact on Economic Stability: Conceptual Framework Elena <b>Serova</b> , Higher School of Economics University, St. Petersburg, Russia	The Impact of Human-Artificial Intelligence Collaboration on Innovation Activities in Knowledge-Intensive Companies Ana Lucija <b>Gojakovic</b> and Nebojsa <b>Graca</b> , Independent scientific researcher, Belgrade, Serbia
<b>12:40</b>	COVID-19 pandemic, digital transformation and telework Isabel <b>Salavisa</b> , Glória <b>Rebello</b> and Eduardo <b>Simões</b> , ISCTE-IUL; DINAMIA'CET-Iscte, Portugal	Artificial Intelligence in the Context of Intellectual Capital and Intellectual Capital in the Context of Artificial Intelligence Nebojsa <b>Graca</b> and Ana Lucija <b>Gojakovic</b> Independent scientific researcher, Belgrade, Serbia
<b>13:00</b>	<i>Break</i>	<i>Break</i>
<b>14:00</b>	<i>Knowledge Cafe - What Direction should AI Research take next? - Led by Prof Dan Remenyi</i>	
<b>15:00</b>	<i>Split back into two parallel sessions</i>	
	<b>Room: 1</b> <b>Stream A: Traceability , the Cloud and Fairness</b> <b>Chair: Richard Wilson</b>	<b>Room: 2</b> <b>Stream B: Implementation Issues</b> <b>Chair: Cláudia Pocho</b>
<b>15:10</b>	Data fairness to find biases that influence the algorithm's decision making results Leticia <b>Soares</b> and Leandro <b>Silva</b> , Universidade Presbiteriana Mackenzie, São Paulo, Brasil (Masters)	Understanding the factors that influence the implementation of Robotic Process Automation from banking sector perspective Nontobeko <b>Mlambo</b> and Tiko <b>Iyamu</b> , Cape Peninsula University of Technology, South Africa
<b>15:30</b>	Blockchain Technology and Traceability in the Wine Supply Chain Industry Florinda <b>Matos</b> and Tomás <b>Alcobia</b> , ISCTE - Instituto Universitário de Lisboa, Ana Josefa <b>Matos</b> , ICLab - ICAA - Intellectual Capital Association, Portugal	Customer Readiness Level to Adopt Artificial Intelligence in Banking: Case of Russia Irina <b>Shakina</b> , Anastasia <b>Shirokaya</b> , Liudmila <b>Tochilova</b> , National Research University Higher School of Economics St. Petersburg Branch, Saint-Petersburg, Russia (Masters)
<b>15:50</b>	AI and Cloud Computing: Ethical and Anticipated Ethical Issues Richard <b>Wilson</b> , Towson University, Towson, USA (Presentation Only)	Three limitations for Algorithmic Reason: Steering the Human Mind in the Twenty First Century Paulo <b>Castro</b> , CFCUL, University of Lisbon, Portugal
<b>16:10</b>	<i>Room1 : Networking in Small Groups to Catch up with Colleagues and build New Connections for Future Collaboration</i>	
<b>16:30</b>	<i>Close of Conference Day</i>	

	<b>Friday 19 November</b>	
<b>08:30</b>	<b>Zoom Room 1 Opens</b>	
<b>09:00</b>	<b>Room: 1</b> <b>Opening Messages: Florinda Maria Carreira Neto Matos, ISCTE-IUL</b>	
<b>09:05</b>	<b>Keynote presentation: Jean-Gabriel Ganascia, Sorbonne University, Paris, France</b> <b>Justice, Fairness and AI</b>	
<b>09:50</b>	<b>Break</b>	
	<b>Room: 1</b> <b>Stream A: Security and Fairness Issues</b> <b>Chair: Marius Vacarelu</b>	<b>Room: 2</b> <b>Stream B: Poster Session (10:00-11:45)</b> <b>Chair: Isabel Salavisa and Carlos Serrão</b>
<b>10:00</b>	Machine Learning for Insider Threat Detection Tristan <b>Naicker</b> and Brett <b>van Niekerk</b> , University of KwaZulu-Natal, Westville, South Africa	Understanding factors affecting the managers' perception of AI applications in their information processing Yanqing <b>Duan</b> , University of Bedfordshire, Luton, UK, Guangming <b>Cao</b> , Ajman University, UAE, Mark <b>Xu</b> , Portsmouth University, UK, Vincent <b>Ong</b> , Regent's University London, UK and Christian <b>Dietzmann</b> , University of Lupzig, Germany
<b>10:20</b>	Military Unit Path Finding Problem Daniel <b>Mundell</b> and Brett <b>van Niekerk</b> , University of KwaZulu-Natal, Westville, South Africa	Robots, employment and taxation: an (im)possible equilibrium. Cristina <b>Sá</b> and José Luís <b>Martins</b> , Polytechnic of Leiria, Leiria, Portugal
<b>10:40</b>	The legal nature of Systems of Artificial Intelligence in South Africa Tadiwanashe <b>Murahwi</b> and Nomalanga <b>Mashinini</b> , Rhodes University, Makhanda, South Africa	Nanobots, AI, and Medical Applications: An Ethical and Anticipatory Ethical Analysis Richard <b>Wilson</b> , Towson University, Towson, USA
<b>11:00</b>	<b>Break</b>	AI, 3D Printing and Robotics: An Anticipatory Ethical Analysis Richard <b>Wilson</b> , Towson University, Towson, USA
	<b>Room: 1</b> <b>Stream A: Mini Track on Malicious Use of Artificial Intelligence: New Challenges</b> <b>Chair: Evgeny N. Pashentsev</b>	The Future of Robotic Assisted Surgery: An Anticipatory Ethical Analysis Richard <b>Wilson</b> , Towson University, Towson, USA
<b>11:10</b>	The Malicious Use of Artificial intelligence through Agenda-Setting: Challenges to Political Stability Evgeny <b>Pashentsev</b> , Institute of Contemporary International Studies, Diplomatic Academy, Ministry of Foreign Affairs of the Russian Federation, Moscow, Russian Federation	"Digital Transformation Management (DTM) – An approach turning into a business imperative" Juha <b>Saukkonen</b> , Kirsi <b>Kemell</b> , JAMK University of Applied Sciences, Jyväskylä, Finland (invited Poster)
<b>11:30</b>	Artificial Intelligence Enhancing Social Engineering in Terrorism: The New Threats Darya <b>Bazarkina</b> , Russian Academy of Sciences, Moscow, Russian Federation	Bio-consciousness intelligence, human intelligence and artificial intelligence - the impact of bio-consciousness intelligence on the nature of human reality in the era of artificial intelligence Nebojsa <b>Graca</b> and Ana Lucija <b>Gojakovic</b> ; Independent scientific researchers; Belgrade, Serbia (Invited Poster)
<b>11:50</b>	Artificial Intelligence and Limits of Political Stability: Are Politicians in Danger? Marius <b>Vacarelu</b> , SNSPA Bucharest, Romania	Deeply Automated Supply Chains: Concept And The Main Tendencies For Development Elena <b>Serova</b> , Higher School of Economics University, St. Petersburg, Russia (invited Poster)
<b>12:10</b>	Sentiment Analysis: Challenges to Psychological Security and Political Stability Yury <b>Kolotaev</b> , Saint Petersburg State University, Saint Petersburg, Russia	
<b>12:30</b>	<b>Break</b>	
	<b>Room: 1</b> <b>Stream A: Mini Track on Malicious Use of Artificial Intelligence: New Challenges</b> <b>Chair: Evgeny N. Pashentsev</b>	
<b>13:30</b>	Artificial Intelligence Within Agile Software Development: Projected Impacts to Cyber Offense-Defense Balance Timothy <b>Kokotajlo</b> , Mark <b>Reith</b> , Richard <b>Dill</b> and David <b>Long</b> , Air Force Institute of Technology, USA	
<b>13:50</b>	Artificial Intelligence: From Popular Myths to Risk Scenarios Olga <b>Polunina</b> , Russian State Social University, Moscow, Russia	
<b>14:10</b>	AI and Robo Advising: An Anticipatory Ethical Analysis Richard <b>Wilson</b> , Towson University, Towson, USA (Presentation Only)	
<b>14:30</b>	<b>Room1: Summary and Close of the Conference</b>	