**RESEARCH TOPIC(S) CHOICE**

Declaration regarding the order of preference of the research topics listed in Table 8 – Computer Science and Artificial Intelligence of the Call for the admission to the Ph.D. programmes of the University of Udine A.Y. 2022/2023, 38° cycle.

Applicant’s name

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| RESEARCH TOPIC | ORDER OF PREFERENCE |
|  | 1 |
|  | 2 |
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|  | 9 |
|  | 10 |

I declare that I am aware that the research topics will be assigned by the Selection Committee on the basis of the ranking, the suitability of the candidate (see art. 10 of the call) and the order of preference specified in the list above.

List of the research topics as by Table 8:

Research Topic 1.1 - Extended reality and metaverse to train complex abilities (Supervisors: Luca Chittaro and Fabio Buttussi)

Research Topic 1.2 - Artificial intelligence solutions and algorithm application to industrial streaming data (Supervisor: Gian Luca Foresti)

Research Topic 1.3 - Model implementation of the Intelligent factory in a steel manufacturing industry context with specific regard to principles, algorithms, models and methods for the anticipatory detection of events perturbing the production conditions, and related mechanisms for optimal recovery of normal process conditions (Supervisor: Angelo Montanari)

Research Topic 1.4 – Development, support and integration process of artificial intelligence systems in the Ferriere Nord steel production context (Supervisor: Christian Micheloni)

Research Topic 1.5 - Resilience of the Public Administration digital services (Supervisor, pro-tempore: Federico Fontana)

Research Topic 1.6 – Deep Learning for Agriculture and Environment (Supervisor: Giuseppe Serra)

Research Topic 1.7 – 5G signals-based outdoor/indoor positioning (Supervisor: Angelo Montanari)

Research Topic 1.8 – Machine learning and Deep Learning for advanced manufacturing technologies (Supervisor: Gian Luca Foresti)

Research Topic 1.9 – Monitoring, prediction and diagnostics for advanced manufacturing technologies (Supervisor: Alessandro Cimatti)

Research Topic 1.10 – Vision and metrology techniques for advanced manufacturing (Supervisor: Fabio Remondino).

Date and Applicant’s signature

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