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Letter of Recommendation for Mauro José Pappaterra

I write this recommendation letter in the role of Mauro J. Pappaterra's former academic supervisor and subject reviewer for his master's thesis project at Uppsala University. I first met Mauro when he attended my course *IT Systems and Human Factors*, a course that includes central topics in the research area of Human Factors and Cognitive Work Analysis. In this course, students learn established methods of analysis of incidents and accidents in technical systems, evaluation of user interfaces and system interactions, and resilience engineering. Mauro passed the course with distinctions, but more importantly, he actively participated in the course assignments and seminars with outstanding results.

Later, I found his interest in applications in the railway sector as a good start for accepting the role as subject reviewer (academic supervisor) for his master thesis project *A literature and public datasets review for the application of AI in the railway industry*, which was successfully presented and defended in an open seminar session at the Dept. of Information Technology at Uppsala University. As Mauro's supervisor, I would like to particularly mention his discipline and his ability to work independently and in a well-structured manner.

Parts of Mauro's thesis work rather directly were used as parts of technical reports in research projects funded by the European Union Horizon program. Moreover, Mauro went later to present part of his thesis work and its research continuance in different international conferences in Europe, including EDCC2022, ODS2023 and ITSC2023. The proceedings from these conferences were later published by reputable journals maintained by international editors and indexed in various academic databases. Mauro's work, his presentations on international conferences, and his publications in reputable journals have had support from my own funding KAJT (Capacity in Railway Traffic System - see <https://kajt.org/kajt-in-english/>) as well as Uppsala University. It has been very beneficial for me as the Principal Investigator for two different research initiatives to have his work available when we were to report what has been achieved during the course of these projects.

In account of all these merits, I warmly recommend Mauro Pappaterra as a promising candidate for a PhD / Research position in subjects related to Computer Science. He has demonstrated to be an industrious student, capable of conducting relevant research on his own, as well as contributing to research teams, by leveraging his knowledge in Computer Science and his exceptional writing and presentation skills.

Sincerely,

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