

To Whom it may concern

Letter of rekommendation

I am writing this letter to give my highest possible recommendation for my project colleague Grigore Havarneanu, whom I have worked closely together with in the RESTRAIL-project.

For those unfamiliar with the RESTRAIL-project the aim of the RESTRAIL project is to reduce the occurrence of suicides and trespass on railway property and the service disruption and other consequences these events cause, by providing the rail industry with an analysis and identification of cost effective prevention and mitigation measures.

RESTRAIL is a 3-year project that started on 1st October 2011 and is co-funded by the European Commission's FP7 Programme. The working group have been coordinated by the UIC and the members of the group were both railway undertakings, infrastructure managers, universities and research institutes and industry representatives.

Mr Havarneanu was introduced in the project almost one year after the start of the three year project. At that point the rest of the project group had been working together since the starting point. Mr Havarneanu very quickly found a strong understanding of the project's work and how he could best contribute to a successful outcome and became a highly valuable member of the project.

During the first months working with Mr Havarneanu I was amazed at how quickly he was able to familiarize himself with how the rail industry is organized and works and the special needs of a railway perspective to ensure that he project can deliver the best results possible.

Mr Havarneanu have made huge contributions to the deliverables of the project. He has contributed to five submitted deliverables covering issues such as "Assessment of suitable measures (technical and soft measures) for the prevention of suicide and trespasses", "New approach of soft measures for the prevention of trespasses", "Synthesis report and recommendations for the prevention of suicides", "Synthesis report and recommendations for the prevention of trespasses" and "Web-based interface for the toolkit and user manual".

He has also contributed with two original research articles in international peer-reviewed journals and also conducted seven presentations at international conferences, seminars and workshops as dissemination actions. He edited one of the projects newsletters.

Mr Havarneanus major contribution though is the toolbox that I consider to be the final outcome of the project.

When RESTRAIL held a workshop to work on concrete cases in small groups in order to assess the first version of the toolbox and to discuss possible improvements Mr Havarneanu was the director of the event. These workshops enabled the collection of valuable feedback and information about the users' needs and expectations related to the

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toolbox and Mr Havarneanu then used the outcome of the workshop to even more adjust the toolbox to the needs of the railway industry.

Mr Havarneanu have since then continued to develop the toolbox to what it is today: www.restrail.eu/toolbox. A very good tool for the railway's continued efforts to prevent deaths by suicide and unauthorized track access and to mitigate the consequences when there is an accident.

The Young Researcher Award have the aim to recognize young engineers and researchers who have made significant contributions in rail research and innovation. And I can't think of anyone better fitting that description than my colleague Grigore Havarneanu.

Borlänge, July 21st 2014



Maria Hedqvist
RESTRAIL WP2 leader

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