

## **1. First and last name**

Carl V.A.J. Hamilton

## **2. Date of diploma**

M.Sc. Economy and Business Administration, Stockholm University  
22 August, 2007

## **3. Current status and affiliation**

PhD Student, Centre for Transport Studies, Royal Institute of Technology, Stockholm, Sweden

## **4. Motivation letter**

I am interested in the ERSA summer school as I believe it will be an important component of my PhD studies. In my focusing on Road User Charging, which I analyse from a systems analysis approach, the topic of infrastructure financing and efficiency is always present in my work: Road User Charging is both a way of gathering public funds and a tool for reducing inefficiencies in the regional transportation system.

In addition to the pure knowledge content of the summer school, I get the impression that this is a good opportunity to stimulate new ideas, and be part of the international transportation and regional sciences research community. It is my absolute conviction that the production of new knowledge is best carried out by frequent interaction with other curious, critical, and knowledgeable people. Presenting my own research and get feedback, as well as providing feedback to others, I have noted, is catalytic to the thought process. Minds meeting mid thought generates ideas an order of magnitude brighter than each mind on its own.

For my future career as a researcher, I know that the network built at events like this, with other prospective scientists, is going to be one of my most valuable assets. All cooperation between people, in science, politics, as well as in the industry, is based on social interaction between individual. By having some previous shared experience and having met face to face, it is far more likely that cooperation will take place at some point in the future. This research field is too small to limit one's network to those who are physically closely located.

## **5. Scientific CV**

- 2010      Hamilton, C.J. (2010) [Revisiting the Cost of the Stockholm Congestion System](#), OECD Roundtable, Paris 4-5 February
- 2009      Hamilton, C. J., Eliasson, J., (2009). [Road pricing technology and technology cost](#), Proceedings of the European Transport Conference, Leiden, Netherlands

Grush, B., Schortmann, J. C., Hamilton, C. J., Martínez-Olagüe, M. A., (2009). GMAR - a framework for performance monitoring autonomous RUC, Proceedings from the 16th World Congress for ITS Systems and Services, Stockholm, Sweden. [PDF](#)

Hamilton, C. J., (2009). Why the EETS Directive will fail and what can be done to save it, Proceedings from the 16th World Congress for ITS Systems and Services, Stockholm, Sweden

2008 Hamilton, C. J., (2008). Privacy in Road User Charging, *proceedings of 15<sup>th</sup> World Congress on Intelligent Transport Systems*, New York, USA

Hamilton, C. J., (2008). Seven Principles for Regulating Autonomous Road User Charging, *Proceedings of 15<sup>th</sup> World Congress on Intelligent Transport Systems*, New York, USA

2007 Masters thesis and formal completion of the program undertaken at Stockholm University 1993-97

1996 Exchange student at Rijksuniversiteit van Groningen, the Netherlands Studying management and industrial organisation

1993-1997 Masters programme in Economics, Business administration at Stockholm University

## **6. Short description of previous and current research work**

I am researching the market for Road User Charging systems. That means that I am taking the decision to implement Road User Charging as my starting point, and instead direct my interest toward some of the political, economical, managerial, ethical, and social aspects of what happens next: How are systems procured, how can they be made interoperable, what kind of regulation supports them, how can they be made less costly, can they be made less privacy intrusive etc.

My first three papers covered interoperability, the European legislation, and cost of implementation. Next on my agenda is surveying the privacy aspects of road user charging.

## **7. Short description of career plans**

Although I have no detailed plans for life after PhD yet, it is clear to me that I want to work in the borderland between research and application. It may be with a university or a research institution, in public administration, or with some non governmental organisation. The key aspect is that I want to support the process both of creating better knowledge and of making it available and applied.

## **8. Name and e-mail address of PhD supervisor**

Jonas Eliasson                      jonas.eliasson@abe.kth.se

## **9. Name and address of two researchers willing to recommend**

Jonas Eliasson                      jonas.eliasson@abe.kth.se  
Lars Göran Mattsson              lars-goran.mattsson@abe.kth.se

## **10. Title and abstract of the intended presentation**

### THE MARKET FOR ROAD USER CHARGING

An increasing number of governments and municipalities are considering to implement road user charges (RUC) in some form. It may be for congestion relief, traffic management, general taxation, or for financing of some dedicated infrastructure. When implementing RUC there is a range of issues that arise no matter the purpose of the charge. The sheer number of RUC installations that have been decided in Europe recently have made quantitative analysis of this market possible. In my presentation I will give an overview of the role of standards, economies of networks, European legislation, scarcity power and monopolies, and how risk averseness affects costs in public procurement.