



Technische Universität München



TUM and NTU are jointly engaged in the CREATE research program on „electric mobility in megacities“, co-funded by NRF. The overall objective of this prestigious framework is to develop innovative solutions for electric mobility based upon the Singapore case-study. Within this program the research project “Infrastructure and Transportation” (RP 8) is focusing on energy and mobility issues, leading the way beyond the electric vehicle to a systems level and linking the overall program to related concerns about the future of cities and sustainable urban mobility.

In this context, we are pleased to announce a

Joint PhD position

at TUM CREATE Pte Ltd., Singapore, for a 4 years research activity co-supervised by Prof. Yiik Diew Wong, NTU, CEE School, cydwong@ntu.edu.sg and Prof. Gebhard Wulfhorst, TUM, Department for urban structure and transport planning, gebhard.wulfhorst@tum.de.

Key questions / objectives of this research activity will be:

- How can electric mobility contribute to sustainable urban mobility solutions within a future-oriented, multi-modal Singapore development scheme?
- What are potential feedback effects of introducing electric vehicles / electric mobility services as a new transport supply option (and related business models) in terms of mobility behavior and travel patterns, more precisely on residential location choice, the number of trips, trip distances and mode choice?
- How does the specific Singapore case compare to other megacities and mega-city regions worldwide with regard to land-use and transport interactions?

We are expecting an international Master of Science degree in mobility and transport related studies, fluency in English and a clear dedication to spend 50% of your working time based in Singapore at the newly developed CREATE campus and 50% of your time in Munich, Germany. Additional information on the CREATE program, the terms and conditions may be found at <http://www.tum-create.com.sg/>

We are looking forward to your applications (letter of motivation, CV, copy of the Master Degree and transcript) no later than **October 15, 2011** to **Dr. Andreas Rau, RP 8 Principal Investigator**, andreas.rau@gist.edu.sg

Please feel free to contact us for any further question.