



主催：数電機連携プログラム推進室

数理科学的発想と工学的発想を兼ね備えた

数電機特別連携セミナー

開催日：2011年3月4日（金曜日）

開催時間：16:30-18:00

（18:00-18:30 懇談会・懇親会）

開催場所：首都大学東京 国際交流会館中会議室

講師：Prof. dr. H. Nijmeijer

(Department of Mechanical Engineering, Dynamics & Control Group
Eindhoven University of Technology, The Netherlands)

講演題目：“**Coordination in mechanical systems:
from mobile robots to cars**”

講演概要

In present day robotics more and more emphasis is directed on the potential autonomy of the robot systems and in relation to this how well a robot is able to collaborate with other vehicles. Such questions have obviously important practical motivations but at the same time also allow for obvious questions of steering systems over larger distances. As an example, one can think of a master slave robotic system for minimal invasive surgery. In the talk particular focus will be laid on the coordination or cooperation issue for mobile robots and cars. Although there are substantial differences between these type of vehicles it will be shown that there is a huge commonality in addressing these problems.

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