

Disciplina: Engenharia Verde (CPR 706)
Profa. Andréa Santos

Convida:

**"Green Engineering and Low Carbon Technologies - Coupling Electricity
and Mobility Sector"**

Prof. Ingo Stadler

Professor Visitante – TH Köln, Colônia, Alemanha

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Universidade Federal do Rio de Janeiro



<p>Lecture (Engenharia Verde e tecnologias de baixo carbono - CPR-706)</p>	<p>29/03</p>	<p>Separated energy sectors The electricity sector Differences between Brazil and Germany Energy Storage Renewable electricity generation</p>
<p>Lecture (Engenharia Verde e tecnologias de baixo carbono - CPR-706)</p>	<p>05/04</p>	<p>Hydrogen driven electric cars (and other transportation means) Hydrogen production, storage and production of e.g. e-fuels Heavy duty transportation Aviation</p>
<p>Lecture (Engenharia Verde e tecnologias de baixo carbono - CPR-706)</p>	<p>12/04</p>	<p>Hydrogen driven transport and its impact on the electricity system</p>
<p>1º Seminário - aberto</p>	<p>19/04</p>	<p>Low carbon Energy transition: opportunities for sustainable development</p>

<p>Lecture (Engenharia Verde e tecnologias de baixo carbono- CPR-706)</p>	<p>26/04</p>	<p>Battery driven electric cars and their impact on the electricity systemo Additional loads o Distribution grid stability o Bi-directional charging</p>
<p>Lecture (Engenharia Verde e tecnologias de baixo carbono - CPR-706)</p>	<p>03/05</p>	<p>Battery driven electric carsThe car itself Battery technologies □ Battery chemistry □ Resources □ Charging and discharging characteristics □ Efficiencies and life time considerations</p>
<p>3º Seminário - aberto</p>	<p>10/05</p>	<p>The Green Hydrogen Economy: opportunities for the transport sector</p>