

# Science Challenges linking climate and energy transitioning



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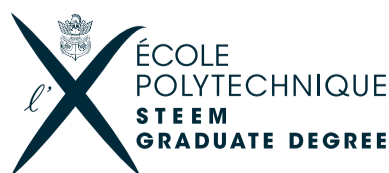
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**lundi  
19 septembre  
2016**

**École polytechnique**  
Amphi. Becquerel  
**16h 00**

Départements de Mécanique

**T**he need to limit climate change, as translated in the 2015 Paris Conference agreement, opens a new field of scientific research issues on links between the “earth system” dynamics and the technologies deployed for the energy transition. What does mean in practice a “2 degree warming”, or even 1.5 degree warming? What are technologies to be deployed to achieve such goals? What are the geophysical constraints, limitations and consequences of such a deployment? Many open research areas remain. After a brief discussion of the consequences of a 2-degree climate change, the conference will aim to expose these new issues, with a specific focus on renewable energies, geophysical limitations and the impact of climate change on resources.



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*Conférence de l'Institut Coriolis pour l'Environnement de l'École polytechnique*