

**Séminaires**  
**17 septembre 2012, 14:00**  
**Salle de réunion (1<sup>er</sup> étage), CEN**

**Y. Furukawa, Institute of Low Temperature Science (ILTS), Hokkaido University  
(Japon)**

**Ice crystal growth under microgravity in International Space Station**

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**17 septembre 2012, 14:30**  
**Salle de réunion (1<sup>er</sup> étage), CEN**

**T. Watanabe, Institute of Low Temperature Science (ILTS), Hokkaido University  
(Japon)**

**Turbulence at the land-atmosphere interface**

Résumé:

Atmospheric turbulence plays a fundamental role in the land-atmosphere interaction by controlling the exchange of momentum, heat, moisture and other quantities (e.g., CO<sub>2</sub>). Recent technological progress in wind-tunnel equipments and numerical simulations enabled the revelation of a remarkable feature of self-organizing coherent eddies developing in wall-bounded shear flows. However, such a comprehensive view is not achieved yet for the real atmospheric turbulence near the ground. In this short talk, I would like to introduce our small steps to this issue.