Charles University
Faculty of Mathematics and Physics

Cordially invites you to

Strouhal's Lecture

CLIMATE CHANGE UNFOLDING – A PHYSICS APPROACH

Given by

Prof. Jens Hesselbjerg Christensen

(Niels Bohr Institute
of the University of Copenhagen)

On Wednesday, 2 March 2022 at 2 p.m.

The lecture will be held via Zoom
and broadcast live
in the Vojtěch Jarník auditorium (M1),
Prague 2, Ke Karlovu 3

Zoom Meeting ID: 943 6129 4262
Passcode: 884868

click here

Jens Hesselbjerg Christensen (*1958) is a professor in climate physics at the Niels Bohr Institute of the University of Copenhagen. He graduated from the same institute in 1990 with a Ph.D. in astrophysics. Immediately thereafter he was employed at the Danish Meteorological Institute, where he became the leading scientist in a group developing a regional climate model and for more than 15 years he was the head of climate research at DMI. These activities brought him into international collaboration, in particular at a European level, where he has led or been the central PI on multiple EU research projects. His research and more than 120 peer reviewed publications are also central to his engagement with the Intergovernmental Panel on Climate Change, where he has been a leading author or contributor to every major report from the panel since its second assessment report. His research interests cover climate phenomena, regional climate, and regional climate change with a focus on Europe and the Arctic.

Abstract
Recent developments in regional climate modeling, where horizontal model resolution now approaches the kilometer scale offers new opportunities for more complete and hence realistic modeling of central physical processes such as e.g. large-scale convection. But for over more than 30 years of working with climate models, Prof. Christensen has seen many developments adding to the credibility of models and this talk will illustrate some of these major achievements and put regional climate change into the perspective of the global warming agenda.