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# 国台学术报告 NAOC COLLOQUIUM

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**Time: Tuesday 2:30 PM, Aug 30**      **Location: A601 NAOC**

## Probing reionization with Lyman-alpha and 21cm emission/absorption

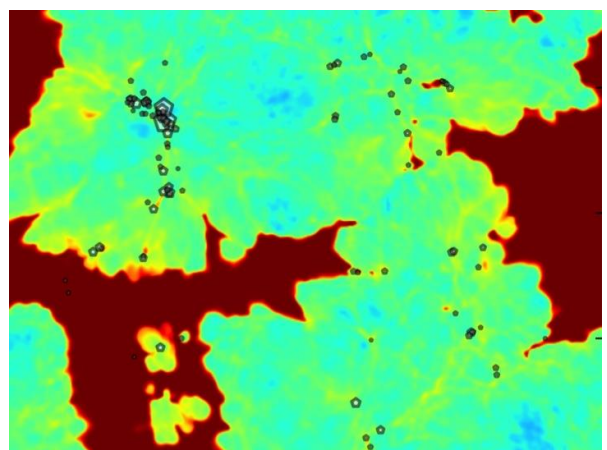
**Prof. Martin Haehnelt**

**Cosmology and Astrophysics, University of Cambridge, UK**

Martin G. Haehnelt is Professor for Cosmology and Astrophysics at the University of Cambridge. After studying physics and astrophysics at the universities of Heidelberg and Cambridge and postdoctoral work at the Max-Planck-Institut for Astrophysics he joined the academic staff of Imperial College in 2000 and moved to Cambridge in 2001. He is an expert in the formation of galaxies and their central supermassive black holes as well as the physics of the Intergalactic Medium. He is currently supported as an Advanced Grant Laureate by the European Research Council to study the {\it Emergence of Structure during the Epoch of Reionization}.

### **Abstract**

I will give an overview of recent constraints on reionization from Lyman-alpha and 21cm emission/absorption with special emphasis on the implications of the rather large scales ( $\geq 50$  cMpc) of observed large opacity fluctuations at  $z > 5.5$  for the nature of the sources of ionising radiation.



*All are welcome! Tea, coffee, biscuits will be served at 2:15 PM.*