

Peter Willendrup, Erik Knudsen, Mads Bertelsen

# Welcome!

2019 CSNS  
*McStas*  
*School*

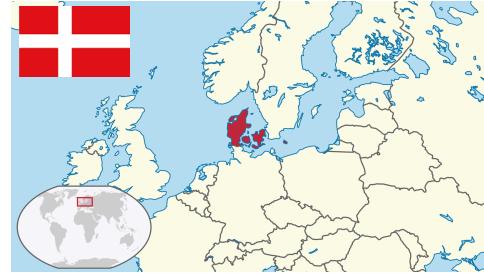
*McStas*  
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# Peter Willendrup



- Born 1973 in Copenhagen, DK



- BSc. in Physics - RISØ / Univ. CPH 1997 "Neutron diffraction and magnetic structures" (Ho-Er alloys)

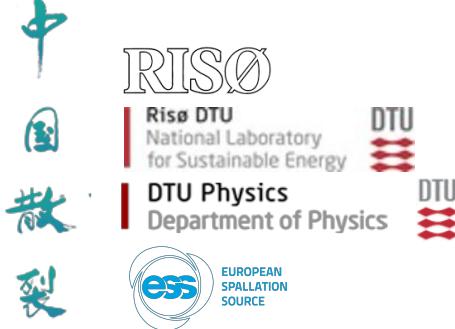
- Master-courses in X-ray scattering, atomic physics, solid state physics, "computer physics", numerical analysis

- MSc. in Physics, BSc. in Mathematics from Univ. CPH year 2000 "Point-spread Functions in Tomography using Filtered Back-projection Reconstruction" (CT/PET/SPECT scanners)

- Software solutions for Neurobiology Research Unit, Copenhagen University Hospital 2000-2002  
3D brain-scan visualisation, alignment MR-PET etc...



Neurobiology Research Unit  
Rigshospitalet  
Copenhagen University Hospital



# About the lecturer

- 2002- “development engineer” on the McStas project

- 2002-2007 Risø National Lab
- 2007-2011 Risø DTU
- 2012- DTU Physics
- 2015- 1/3 seconded to ESS DMSC



- External funding from EU projects, ISIS TS2 project, ESS project etc.  
Currently ESS project + SINE2020

- Daily tasks wrt. McStas:

- Develop new functionality - be it physics or infrastructure-wise
- Work with users to solve their problems (in any area of neutron scattering...)
- Software expert for “anything McStas”
- Teach users about the code and how to use it efficiently

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