

Research areas for projects/master thesis for NTNU- DTU Solar

NTNU, Responsible prof., department	DTU, Second supervisor, department	<u>Research area</u>
<ul style="list-style-type: none"> Gabriella Tranell Merete Tangstad Jafar Safarian Department of Materials Science and Engineering	Ole Hansen, ole.hansen@nanotech.dtu.dk , DTU Nanotech	<u>Si feedstock (M)</u> Si production and SoG-Si Refining
<ul style="list-style-type: none"> Marisa Di Sabatino Department of Materials Science and Engineering	Ole Hansen, ole.hansen@nanotech.dtu.dk , DTU Nanotech Jørgen Schou, josc@fotonik.dtu.dk , DTU Fotonik Jacob Bowen jrbo@dtu.dk (electron microscopy), DTU Energy	<u>Crystallization (M)</u> Material properties Characterization Wafering
<ul style="list-style-type: none"> Mari-Ann Einarsrud Sverre Magnus Selbach Department of Materials Science and Engineering	Ole Hansen, ole.hansen@nanotech.dtu.dk , DTU Nanotech Jørgen Schou, josc@fotonik.dtu.dk , DTU Fotonik Sara Engberg, sleen@fotonik.dtu.dk , DTU Fotonik.dtu.dk Brian Seger, brse@fysik.dtu.dk , DTU Physics	<u>Wet chemistry/sol gel (M)</u> TCO, nanoparticles Intermediate band materials
<ul style="list-style-type: none"> Turid Reenaas Ursula Gibson Randi Holmestad Ton Helvoort Justin Wells Dag Breiby Morten Kildemo Mikael Lindgren Ingve Simonsen Department of Physics	Ole Hansen, ole.hansen@nanotech.dtu.dk , DTU Nanotech Stela Canulescu, stec@fotonik.dtu.dk , DTU Fotonik Sara Engberg, sleen@fotonik.dtu.dk , DTU Fotonik, Jørgen Schou, josc@fotonik.dtu.dk , DTU Fotonik Jacob Bowen, jrbo@dtu.dk (electron microscopy), DTU Energy Brian Seger, brse@fysik.dtu.dk , DTU Physics	<u>Thin film/third generation solar cells (P)</u> Intermediate band solar cells Thin film/Intermediate band solar cells TEM characterization Optical characterization Modeling light/matter interaction
<ul style="list-style-type: none"> Bjørn-Ove Fimland Helge Weman Department of Electronics and Telecommunications	Ole Hansen, ole.hansen@nanotech.dtu.dk , DTU Nanotech Stela Canulescu, stec@fotonik.dtu.dk , DTU Fotonik	<u>III-V solar cells (P)</u> Nanowire and intermediate band solar cells Nanowire solar cells

Sune Thorsteinsson,
sunth@fotonik.dtu.dk, DTU Fotonik.

Modules
Deployment
BIPV