## **Exciton localisation and possible indium clustering in InGaN thin films**

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abstract:

One of the remarkable properties of gallium nitride based blue and green LEDs is that they emit intense light even though the dislocation density of the material is large. This talk will discuss the evidence for localisation of the excitons, the thermodynamics of indium segregation in InGaN, and the electron microscopy evidence for whether or not indium segregates in InGaN thin films.