

# New ALD processes for $\text{Y}_2\text{O}_3$ using molecularly engineered yttrium formamidinates

Sebastian Beer<sup>1</sup>, Nils Boysen<sup>1</sup>, Arbresha Muriqi<sup>2</sup>, David Zanders<sup>1</sup>, Michael Nolan<sup>2</sup>, Anjana Devi<sup>1</sup>

<sup>1</sup> Inorganic Materials Chemistry, Ruhr University Bochum, Germany

<sup>2</sup> Tyndall National Institute, University College Cork, Ireland

(sebastian.beer@rub.de)

## Associated Publication:

**A study on the influence of ligand variation on formamidinate complexes of yttrium: new precursors for atomic layer deposition of yttrium oxide**

Beer *et al.*, *Dalton Trans.*, **2021**, 50, 12944-12956, DOI: 10.1039/d1dt01634b

**Atomic layer deposition of dielectric  $\text{Y}_2\text{O}_3$  thin films from a homoleptic yttrium formamidinate precursor and water**

Boysen *et al.*, *RSC Adv.*, **2021**, 11, 2565-2574, DOI: 10.1039/d0ra09876k.

