

# The Tenth International Workshop on Lattice QFT and Numerical Analysis (QCDNA X)



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Type: **Talk**

## **DD- $\alpha$ AMG on QPACE 3**

*Tuesday, 27 June 2017 16:30 (1 hour)*

We describe our experiences porting the Regensburg implementation of the DD- $\alpha$ AMG solver from QPACE 2 to QPACE 3. We first review porting from the first generation Intel Xeon Phi processor (Knights Corner) to its successor (Knights Landing). Secondly, we present an overview of Omni-Path, comparing it to the well-known competitor InfiniBand. Finally, we present the performance of the code on a single processor as well as the scaling on many nodes.

### **Title**

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