

*The First WSU-IPM Joint Workshop on  
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(Webinar)*

## **Pushouts of Groupoid Extensions by Abelian Group Bundles**

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Given a groupoid extension of a locally compact Hausdorff groupoid by a bundle of abelian groups on which it acts, we construct a pushout twist over the groupoid semidirect product of the groupoid acting on the dual of the bundle regarded as a topological space. We then show that the  $C^*$ -algebra of the original extension groupoid is isomorphic to the twisted groupoid associated to the pushout. We will also discuss examples. This talk is based on current joint work with Marius Ionescu, Jean Renault, Aidan Sims and Dana Williams.