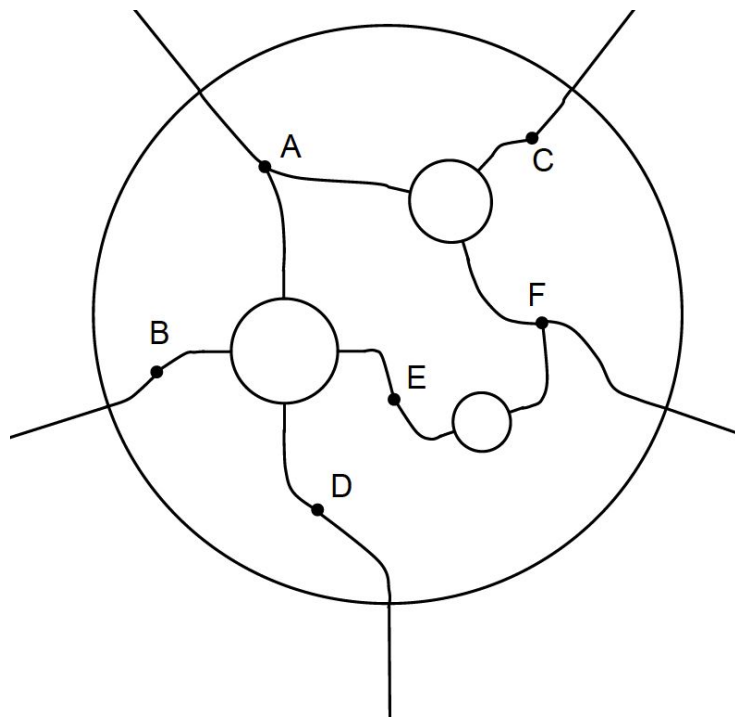

Seven Sketches in Compositionality: Real-World Applications of Category Theory

IAP 2018



1.30pm in Room 2-255, Tuesdays and Thursdays

<http://tinyurl.com/7sketches>

CASCADE EFFECTS *posets and adjunctions* DATA TRANSFORMATIONS *categories, functors, and universal constructions* RESOURCE THEORY *monoidal posets and categorification* COLLABORATIVE DESIGN *enriched categories and profunctors* SIGNAL FLOW GRAPHS *props and graphical proof systems* ELECTRIC CIRCUITS *wiring diagrams and functorial semantics* LOGIC OF BEHAVIOR *sheaves, toposes, and internal languages*