

## Technological Change: Sector-Bias and Skill-Bias

Aruni Mitra

University of British Columbia

[mitra.aruni1990@gmail.com](mailto:mitra.aruni1990@gmail.com)

The paper investigates the sectoral bias in skill-neutral and skill-biased technological change (henceforth SBTC) in the U.S. for the last two decades. Using a labour market search and matching model with multiple sectors, and data from Bureau of Labor Statistics, the March Supplement and May Outgoing Rotation Group samples of the Current Population Survey, World KLEMS Data and the Help-Wanted Index (see Barnichon (2010)), the paper answers three questions: (a) Has the growth in skill-neutral total factor productivity (TFP) been unequally distributed across different production sectors of the economy? (b) Has there been SBTC in the U.S. for the last two decades; and (c) If there has been SBTC, is there any heterogeneity of SBTC across sectors?