

# Challenges and Directions for Future Research (cont.)

- **Challenge 2: How can we help users interpret a topic?**
  - Most of the time, a topic is manually labeled in a research paper; this is insufficient for real applications
  - Automatic labeling can help, but the utility still needs to be evaluated
  - Need to generate a summary for a topic to enable a user to navigate into text documents to better understand a topic
  - Need to facilitate post-processing of discovered topics (e.g., ranking, comparison)