TEMPORAL EXPERTISE PROFILING

GOAL
Identifying the skills and knowledge of an individual and tracking how they change over time

WE PRESENT AN APPROACH FOR
- representing expertise in a hierarchical manner
- constructing temporal profiles
- identifying and explaining changes in a person’s expertise

FUTURE WORK
- evaluating temporal profiles
- incorporating additional sources

Expertise Modeling Process (1-year snapshot)

Expertise Timeline

Change Detection
- Leaving field
  The person leaves one of multiple main research fields.
- Moving into field
  The person takes on a new main field of research.
- Switching field
  There is a single main field of research and it changes.
- Narrowing topics
  The focus is distributed between multiple research topics, one of which gets removed.
- Broadening topics
  A new research topic gets into the focus.
- Topic switch
  Research is focused on a single topic and it changes.

ExperTime
ExperTime is a web-based system that implements our approach for tracking a person’s expertise over time.
We visualize expertise profiles on a timeline, where we detect and characterize changes in the focus or topics of expertise. You can find your profile or create one if it doesn’t exist yet: http://bit.ly/expertime

Find your own profile: www.bit.ly/expertime