SIPTA-Community based on Paper Contributions

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ISIPTA Collaboration Network: Background

- Started as series of poster-only contributions

- Important years:
  - 2011: First poster with data to 2009 at ISIPTA '11
  - 2015: Updated with data to 2013 at ISIPTA '15
  - 2017: Special edition with ECSQARU; updated to 2017
  - 2018: Major revision increasing data quality
Data Basis

- Initial data collection (2011):
  - paper title, author(s) of papers, keywords, abstracts, e-mail address of author
  - Web scraped and converted to ASCII; location of author by location of e-mail provider
  - Rudimentary automatic cleaning

- 1. revision (2015):
  - Using official BibTeX as source (2013 onwards)

- 2. revision (2017):
  - Author’s location by provided affiliation

- 3. revision (2018):
  - Correction of scrapping errors and inconsistencies
  - Technical standardization of keywords
Which prominent keyword is missing?
Which prominent keyword is missing?
Collaboration

... different coauthors

Number of authors with ...
Collaboration Network: ISIPTA 2019
Conclusion and Outlook

- Descriptive analysis of 11 ISIPTA proceedings
- Visualization of collaboration
Conclusion and Outlook

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- Visualization of collaboration
- Addition of poster-only contributions
- Keywords by topic

Visit the poster for more information.
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