

Submission of WI-IAT 2022 workshop proposal PQAIA

Heading

Title of the workshop: Personalized QA and its applications. (PQAIA)

Proposed duration: Half-day.

Workshop co-chair(s):

Haisheng Li, Beijing Technology and Business University, lihsh@btbu.edu.cn

Haisheng Li is a Professor at School of Computer Science and Engineering, Beijing Technology and Business University. He received his Ph.D. degree from Beihang University. He is the executive director of school of Computer science and engineering. He is executive member of China Graphics Society council, vice chairman of AI Simulation Technology Committee of China simulation Society, distinguished member of China Computer Federation. He was PC member of BigComp2019, 2020 and CISC 2019,2021.

Jingyuan Li, Beijing Technology and Business University, li.jingyuan.jerry@qq.com

Dr. Li is a Professor at School of Computer Science and Engineering, Beijing Technology and Business University. He received his Doctorate at University of Science and Technology of China, and worked as associated professor for Institute of Computing Technology CAS for 8 years, and director of top information technology companies such Alibaba Cloud, and Tencent for 5 years. He was the local chair of BigDIA 2020, PC member of AIRS 2016, and Session Chair of GameNets 2014.

Introduction

Abstract: Personalized question and answer system is becoming a hot topic in NLP in recent years, where researchers focus on providing answers that are special for individuals or special knowledge fields. The accuracy of such QA systems relies partly on the analysis of personal data such as search history, personal profile etc., which may cause data privacy leaks and other more severe issues. Personalized QA system applications may even relate to the study of Internet ethics, where some of the answers may not be appropriate to give to certain people, because of legal, racial, or safety risks.

Scope and Topics: Personalized QA system, Security issues in QA, QA ethics, QA in popular science applications, and other new research trends in QA.

Motivation and Rationale

The Workshop is focused on a special kind of QA system, which is one of the hottest research topics in the field of web intelligence. It is a quite important issue because of the following three reasons. Firstly, we may need to collect personal data to provide personalized QA services such as search history, and personal profile etc., which may possibly intrigue data privacy issues. Secondly, personalized QA system applications can be used in different kinds

of special and quite important areas such as popular science, open-source software, and pandemic nowadays etc., where customized methods and background knowledge are to be studied. Thirdly, Internet ethics are also needed to be considered, where some of the answers may not be appropriate to give to certain people, because of legal, racial, or safety risks. We are confident that a good number of researchers in the field of personalized QA might be interested in this workshop because the organizers are experts in cross-field QA studies especially in open-source, and popular science, and are motivated to propagate the workshop information to other researchers that may very much interested in this topic. We can also organize students and other attendees from universities and institutes of Chinese Academy of Sciences that are in Beijing, to attend the offline meeting.

Workshop Details

Program committee lists:

- CHEN Genbao, Tencent.
- CHEN Wei, Tencent.
- FAN Yixing, Institute of Computing Technology, Chinese Academy of Sciences.
- FANG Weiwei, ByteDance.
- LI Jingyuan, Beijing Technology and Business University.
- LI Haisheng, Beijing Technology and Business University.
- TAN Qing, Wotobuy.
- WAN Shengxian, ByteDance.
- WANG Yuanzhuo, Institute of Computing Technology, Chinese Academy of Sciences.
- WU Duo, JD.
- XIA Long, Baidu.
- XING Guoliang, Baidu.
- YU Min, Institute of Information Engineering, Chinese Academy of Sciences.
- ZHANG Weipeng, Tencent.
- ZHU Bin, Alibaba.

Expected number of participants: 200 (online and offline combined).

Expected number of submissions: 30

Potential authors that are expected to submit papers to the workshop: researchers from Institute of Computing technology CAS, Institute of Information Engineering CAS, and Beijing Technology and Business University are expected to submit their research findings to this workshop.

Draft call for papers: attached at the end of this document.

Publicity and promotion plan: we will promote this workshop through the connections from Chinese Academy of Sciences as well as other universities in China. We will also take advantage of important new media resources to further propagate the workshop, such as AI Time, CCF's popular-science new media official blog, etc.

Workshop format planned: The workshop is comprised of 1 keynote, 5-7 presented papers. The workshop is planned to be held in a hybrid way, where attendees in China will be invited to the physical conference room in Beijing Technology and Business University in Beijing, and the attendees that are not in China can give keynotes or present their papers online.

Tentative Internal and External Schedule

Submission deadline: June 15th, 2022.

Review deadline: July 15th, 2022.

Acceptance deadline: July 18th, 2022.

Camera ready: August 7th, 2022.

Program ready: 3 days before the workshop.

Call for Papers

Workshop on Personalized QA and its applications.

In conjunction with WI-IAT 2022, Niagara Falls, Canada. November 18th-20th, 2022

Personalized question and answer system is becoming a hot topic in NLP in recent years, where researchers focus on providing answers that are special for individuals or special knowledge fields. The accuracy of such QA systems relies partly on the analysis of personal data such as search history, personal profile etc., which may cause data privacy leaks and other more severe issues. Personalized QA system applications may even relate to the study of Internet ethics, where some of the answers may not be appropriate to give to certain people, because of legal, racial, or safety risks.

Scope and Topics:

- Personalized QA system.
- Security issues in QA.
- QA ethics.
- QA in popular science applications.
- QA in open-source software.
- Other new research trends in QA system.

Organizer:

School of Computer Science and Engineering, Beijing Technology and Business University.
Institute of Computing Technology, Chinese Academy of Sciences.

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- WU Duo, JD.
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- ZHANG Weipeng, Tencent.
- ZHU Bin, Alibaba.

Paper Submission:

The papers must be submitted electronically via **Cyberchair (specific link needed)** in standard IEEE Conference Proceedings format (max 8 pages, Article Templates at <https://www.ieee.org/conferences/publishing/templates.html>).

Publication:

Workshop papers will be in companion proceedings with main conference of WI-IAT 2022. Outstanding paper will have the chance to be recommended to related Journals (SCI indexed).

Important Dates:

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