Touché @ CLEF 2020

1st Shared Task on Argument Retrieval

Alexander Bondarenko
Maik Fröbe
Meriem Beloucif
Lukas Gienapp
Yamen Ajjour
Alexander Panchenko
Chris Biemann
Benno Stein
Henning Wachsmuth
Martin Potthast
Matthias Hagen

[touche.webis.de]

A Timeline [Croft 2019]

Document Retrieval   Time

Answer Passage Retrieval

Sentence Retrieval   Passages as Features

Snippet Retrieval

QA Factoid Retrieval

CQA or Non-Factoid QA

Conversational Answer Retrieval

Answer Passage Retrieval Revisited

Response Retrieval/Generation

Question Answering/Machine Comprehension

Complex Answer Retrieval
(Passages as Summaries)

A Timeline [Croft 2019]

Document Retrieval

Answer Passage Retrieval

Sentence Retrieval   Passages as Features

Snippet Retrieval

QA Factoid Retrieval

CQA or Non-Factoid QA

Conversational Answer Retrieval

Answer Passage Retrieval Revisited

Response Retrieval/Generation

Question Answering/Machine Comprehension

Complex Answer Retrieval
(Passages as Summaries)

Argument Retrieval

Time

Touché: Argument Retrieval
Shared Tasks

Task 1: Supporting argumentative conversations

- Scenario: Users search for arguments on controversial topics

- Task: Retrieve "strong" pro/con arguments on the topic

- Data: 400,000 "arguments" (short text passages) [args.me]

Task 2: Answering comparative questions with arguments

- Scenario: Users face personal decisions from everyday life

- Task: Retrieve arguments for "Is X better than Y for Z?"

- Data: ClueWeb12 or ChatNoir [chatnoir.eu]

- Run submissions similar to "classical" TREC tracks

- Software submissions via TIRA [tira.io]

Touché: Argument Retrieval
Statistics

- ❑ Registrations: 28 teams

- ❑ Nicknames: Real or fictional fencers / swordsmen (e.g., Zorro)

- ❑ Submissions: 17 participating teams

- ❑ Approaches: 41 valid runs were evaluated

- ❑ Baselines: DirichletLM and BM25F-based ChatNoir [chatnoir.eu]

- ❑ Evaluation: 7,045 manual relevance judgments (nDCG@5)

Number of registrations

Touché: Argument Retrieval
Workshop Program

September, 23 (all times are CEST)	
	Touché: Argument Retrieval Workshop will be held online
15:00-15:10	Touché 2020 Welcome *Organizer*
15:10-16:30	**Session 1: Conversational Argument Retrieval**
15:10-15:40	Keynote: Argument Retrieval in Project Debater *Yufang Hou (IBM Research Europe, Dublin)*
15:40-15:50	Overview of Task 1 on Conversational Argument Retrieval *Organizer*
15:50-16:00	Exploring Argument Retrieval with Transformers (paper presentation) *Christopher Akiki*
16:00-16:10	Ranking Arguments by Combining Claim Similarity and Argument Quality Dimensions (paper presentation) *Lorik Dumani and Ralf Schenkel*
16:10-16:30	Lightning talks *Touché Task 1 participants*
16:30-17:00	**Break**

[touche.webis.de] or [https://events.webis.de/touche-20/program.html]

Touché: Argument Retrieval
Workshop Program

16:30-17:00	**Break**
17:00-18:30	**Session 2: Comparative Argument Retrieval**
17:00-17:25	Keynote: Debate Technology for Empowering the Public: Insights and Avenues *Annette Hautli-Janisz (University of Konstanz)*
17:25-17:35	Overview of Task 2 on Comparative Argument Retrieval *Organizer*
17:35-17:45	Retrieving Comparative Arguments using Deep Pre-trained Language Models and NLU (paper presentation) *Viktoriia Chekalina and Alexander Panchenko*
17:45-17:55	University of Amsterdam at CLEF 2020 (paper presentation) *Mahsa S. Shahshahani and Jaap Kamps*
17:55-18:05	Lightning talks *Touché Task 2 participants*
18:05-18:30	Panel discussion and closing remarks

[touche.webis.de] or [https://events.webis.de/touche-20/program.html]

Touché: Argument Retrieval
Workshop Program

16:30-17:00	**Break**
17:00-18:30	**Session 2: Comparative Argument Retrieval**
17:00-17:25	Keynote: Debate Technology for Empowering the Public: Insights and Avenues *Annette Hautli-Janisz (University of Konstanz)*
17:25-17:35	Overview of Task 2 on Comparative Argument Retrieval *Organizer*
17:35-17:45	Retrieving Comparative Arguments using Deep Pre-trained Language Models and NLU (paper presentation) *Viktoriia Chekalina and Alexander Panchenko*
17:45-17:55	University of Amsterdam at CLEF 2020 (paper presentation) *Mahsa S. Shahshahani and Jaap Kamps*
17:55-18:05	Lightning talks *Touché Task 2 participants*
18:05-18:30	Panel discussion and closing remarks

[touche.webis.de] or [https://events.webis.de/touche-20/program.html]

Spoiler: Touché will be run again at CLEF 2021

Touché: Argument Retrieval
Related Publications

- Ajjour, Wachsmuth, Kiesel, Potthast, Hagen, Stein. Data Acquisition for Argument Search: The args.me corpus. Proceedings of KI 2019.

- Bevendorff, Stein, Hagen, Potthas. Elastic ChatNoir: Search Engine for the ClueWeb and the Common Crawl. Proceedings of ECIR 2018.

- Braunstain, Kurland, Carmel, Szpektor, Shtok. Supporting Human Answers for Advice-Seeking Questions in CQA Sites. Proceedings of ECIR 2016.

- Croft. The Relevance of Answers. Keynote at CLEF 2019.
  https://ciir.cs.umass.edu/downloads/clef2019/CLEF_2019_Croft.pdf

- Freely and Steinberg. Argumentation and Debate: Critical Thinking for Reasoned Decision Making (12th ed.). Boston, MA: Wadsworth Cengage Learning, 2009.

- Potthast, Gienapp, Euchner, Heilenkötter, Weidmann, Wachsmuth, Stein, Hagen. Argument Search: Assessing Argument Relevance. Proceedings of SIGIR 2019.

- Wachsmuth, Naderi, Hou, Bilu, Prabhakaran, Alberdingk Thijm, Hirst, Stein. Computational Argumentation Quality Assessment in Natural Language. Proceedings of EACL 2017.

- Walton, Reed, Macagno. Argumentation Schemes. Cambridge: Cambridge University Press, 2008.

- Zhai, Lafferty. A Study of Smoothing Methods for Language Models Applied to Information Retrieval. ACM TOIS, 22(2), 2004.