

9 April (Sunday) Sir Ian Wood building, RGU		10 April (Monday) AECC		11 April (Tuesday) AECC		12 April (Wednesday) AECC		13 April (Thursday) AECC	
Day 1		Day 2		Day 3		Day 4		Day 5	
8.30	Registration & refreshments	8:00 – 9:00	Registration & refreshments	8.00 – 9.00	Refreshments	8.00 – 9.00	Refreshments	9.30 – 10.00	Registration & refreshments
9.00 – 12.30	Exploitation of Social Media for Emergency Relief and Preparedness (SMERP) 5th International Workshop on Bibliometric-enhanced Information Retrieval (BIR2017) 2nd International Workshop on Online Safety, Trust and Fraud Prevention (OnST'17) Efficient Query Processing Infrastructure	9:00 – 9:15	<b>Welcome</b>	9:00 – 10:30	<b>Keynote - Jaime Teevan</b> (Microsoft Research) Search, Re-Search	9:00 – 10:30	<b>Keynote - Alexander Hauptmann</b> (Carnegie Mellon University) Efficient query results on the content of millions of videos	10.00 – 10.10	Introduction
		9:15 – 10:45	<b>Keynote – Laura Dietz</b> (University of New Hampshire) Retrieving knowledge from the Web					10.00 – 11.40	<b>Session 1</b> Peter Mika, Edgar Meij, James McMinn
10.30 – 11.00		10:45 – 11:15	<b>Refreshment Break</b>	10:30 – 11:00	<b>Refreshment Break</b>	10:30 – 11:00	<b>Refreshment Break</b>	11.40 – 12:00	<b>Refreshment Break</b>
		11:15 – 12:15	<b>Short Presentations Session 1</b> (6 papers x 10 mins each) + poster presentation	11:00 – 12:00	<b>Short Presentations session 2</b> (6 papers x 10 mins each) + poster presentation	11:00 – 12:00	<b>Short Presentations session 4</b> (6 papers x 10 mins each) + poster presentation	12.00 – 13.00	<b>Session 2</b> Michaela Regneri, Ross McLean
12.30 – 13.30	Lunch	12:15 – 14.00	<b>Short Presentation Posters &amp; Lunch</b>	12:00 – 14.00	<b>Short Presentation Posters &amp; Lunch</b>	12:00 – 14.00	<b>Short Presentation Posters &amp; Lunch</b>	13.00 – 14.00	<b>Lunch</b>
13.30 – 17.00	Social Media for Personalization and Search (SoMePeAS) Doctoral Consortium (invitees only)	14.00 – 15.30	<b>Long Presentations session 1</b> (3 papers x 30 mins each)	14.00 – 15.00	<b>Short Presentations session 3</b> (6 papers x 10 mins each) + poster presentation	14.00 – 15.00	<b>Short Presentations session 5</b> (6 papers x 10 mins each) + poster presentation	14.00 – 15.15	<b>Session 3</b> Richard Boulton, Ehud Reiter, Elizabeth Daly
15.00 – 15.30		15:30 – 16.00	<b>Refreshment Break</b>	15:00 – 16.00	<b>Short Presentation Posters &amp; Refreshment Break</b>	15:00 – 16.00	<b>Short Presentation Posters &amp; Refreshment Break</b>	15.15 – 15.45	<b>Refreshment Break</b>
15.30 – 17.00		16.00 – 17.30	<b>2 mins Boaster Sessions</b> (7 Demos & 35 short papers)	16.00 – 17.30	<b>Panel – AI &amp; IR</b> Laura Dietz, Alex Hauptmann, Julio Gonzalo	15:30 – 17.00	<b>Long Presentations session 2</b> (3 papers x 30 mins each)	15.45 – 16.45	<b>Session 4</b> Will Moy, Charlie Hull
						17.00 – 17.30	Closing Session		
Free		17.30 – 20.00	<b>Demo &amp; Short Paper Posters, &amp; Welcome reception</b> AECC	19.00 – 22:00	<b>Conference Banquet</b> Rox Hotel	19:00 – 20:00	<b>Welcome Industry Day</b> Aberdeen Town House	16.45 – 17.15	<b>Fishbowl Session</b>

# PROGRAMME

ECIR 2017  
European Conference on Information Retrieval  
9-13 April 2017  
AECC, Aberdeen, Scotland, UK



## Sunday 9th April 2017

Sir Ian Wood building, RGU

08.30	Registration check-in, and refreshments	
09.00 – 12.30	<b>Half Day Tutorial: Efficient Query Processing Infrastructure</b> Nicola Tonello and Craig Macdonald	N311
09.00 – 12.30	<b>2nd International Workshop on Online Safety, Trust and Fraud Prevention (OnST'17)</b> Marco Fischella, Nattiya Kanhabua, Sven Kurras	N310
09.00 – 12.30	<b>5<sup>th</sup> International Workshop on Bibliometric-enhanced Information Retrieval (BIR2017)</b> Philipp Mayr, Ingo Frommholz, Guillaume Cabanac	N344
09.00 – 12.30	<b>Exploitation of Social Media for Emergency Relief and Preparedness (SMERP)</b> Saptarshi Ghosh, Marie-Francine Moens, Gareth Jones, Debasis Ganguly, Tanmoy Chakraborty, Kripabandhu Ghosh	N345
12.30 – 13.30	Lunch	
13.30 – 17.00	<b>Doctoral Consortium (invitees only)</b>	N105
13.30 – 17.00	<b>Social Media for Personalization and Search (SoMePeAS)</b> Ludovico Boratto, Andreas Kaltenbrunner, Giovanni Stilo	N309
13.30 – 17.00	<b>5<sup>th</sup> International Workshop on Bibliometric-enhanced Information Retrieval (BIR2017)</b> Philipp Mayr, Ingo Frommholz, Guillaume Cabanac	N344
13.00 – 17.00	<b>Exploitation of Social Media for Emergency Relief and Preparedness (SMERP)</b> Saptarshi Ghosh, Marie-Francine Moens, Gareth Jones, Debasis Ganguly, Tanmoy Chakraborty, Kripabandhu Ghosh	N345

## Monday 10th April 2017

08.00 – 09.00	Registration Check-in and refreshments	<b>AEEC</b> foyer/Crombie Suite
09.00 – 09.15	<b>Welcome</b> - Joemon Jose & Claudia Hauff	Fleming Auditorium
09.15 – 10.45	<b>Keynote - Laura Dietz (University of New Hampshire)</b> - Retrieving knowledge from the Web Chair: Claudia Hauff	
10.45 – 11.15	Refreshment Break	Crombie Suite
11.15 – 12.15	<b>Short Presentations - Session 1</b> Chair: Fabio Crestani	Fleming Auditorium
11.15 – 11.25	Daniel Hienert and Maria Lusky. Where Do All These Search Terms Come From? – Two Experiments in Domain-Specific Search	
11.25 – 11.35	Rob Capra, Jaime Arguello and Yinglong Zhang. The Effects of Search Task Determinability on Search Behavior	
11.35 – 11.45	Yashar Moshfeghi, Leif Azzopardi and Peter Triantafillou. A Task Completion Engine to Enhance Search Session Support for Air Traffic Work Tasks	
11.45 – 11.55	David Brazier and Morgan Harvey. E-government and the digital divide: A study of English-as-a-Second-Language Users' Information Behaviour	
11.55 – 12.05	Adrian-Gabriel Chifu, Sébastien Déjean, Stefano Mizzaro and Josiane Mothe. Human-Based Query Difficulty Prediction	
12.05 – 12.15	Kai Hui and Klaus Berberich. Transitivity, Time Consumption, and Quality of Preference Judgments in Crowdsourcing	
12.15 – 14.00	Short Presentation Posters & Lunch	Crombie Suite
14.00 – 15.30	<b>Long Presentations – Session 1</b> Chair: Julio Gonzalo	Fleming Auditorium
14.00 – 14.30	Chuwei Luo, Wenjie Li, Qiang Chen and Yanxiang He. A Part-of-Speech Enhanced Neural Conversation Model	
14.30 – 15.00	Jaime Arguello, Sandeep Avula and Fernando Diaz. Using Query Performance Predictors to Reduce Spoken Queries	
15.00 – 15.30	Arunav Mishra and Klaus Berberich. How do Order and Proximity Impact the Readability of Event Summaries?	
15.30 – 16.00	Refreshment Break	Crombie Suite
16.00 – 17.30	<b>2 mins Boaster Session</b> (7 Demos & 35 short papers) Chairs: Dyaa Albakour, Stuart Watt, Ismail Sengor Altingovde & Dawei Song	Fleming Auditorium
17.30 – 20.00	Short Paper & Demo Posters, and Welcome Reception	Crombie Suite

## Tuesday 11th April 2017

08.00 – 09.00	Refreshments	Crombie Suite
09.00 – 10.30	<b>Keynote, Karen Spärck Jones Award Winner - Jaime Teevan</b> (Microsoft Research) - Search, Re-Search Chair: Stefan Ruegar	Fleming Auditorium
10.30 – 11.00	Refreshment Break	Crombie Suite
11.00 – 12.00	<b>Short Presentations - Session 2</b> Chair: Jaime Arguello	Fleming Auditorium
11.00 – 11.10	Nikos Voskarides, Edgar Meij and Maarten de Rijke. Generating Descriptions of Entity Relationships	
11.10 – 11.20	Wen Haw Chong, William Cohen and Ee-Peng Lim. Collective Entity Linking in Tweets over Space and Time	
11.20 – 11.30	Ning Gao and Silviu Cucerzan. Entity Linking to One Thousand Knowledge Bases	
11.30 – 11.40	Hosein Azarbonyad, Mostafa Dehghani, Tom Kenter, Maarten Marx, Jaap Kamps and Maarten de Rijke. Hierarchical Re-estimation of Topic Models for Measuring Topical Diversity	
11.40 – 11.50	Soumyajit Ganguly and Vikram Pudi. Paper2vec: Combining Graph and Text information for Scientific Paper Representation	
11.50 – 12.00	Navid Rekabsaz, Mihai Lupu and Allan Hanbury. Uncertainty in Neural Network Word Embedding Exploration of a Threshold for Similarity	
12.00 – 14.00	Short Presentation Posters & Lunch	Crombie Suite
14.00 – 15.00	<b>Short Presentations - Session 3</b> Chair: Udo Kruschwitz	Fleming Auditorium
14.00 – 14.10	Anastasia Giachanou, Julio Gonzalo, Ida Mele and Fabio Crestani. Sentiment Propagation for Predicting Reputation Polarity	
14.10 – 14.20	Qiang Chen, Wenjie Li, Yu Lei and Yanxiang He. Cross-lingual Sentiment Relation Capturing for Cross-lingual Sentiment Analysis	
14.20 – 14.30	Graham McDonald, Craig Macdonald and Iadh Ounis. Enhancing Sensitivity Classification with Semantic Features using Word Embeddings	
14.30 – 14.40	Salvatore Romeo, Giovanni Da San Martino, Alberto Barrón-Cedeño and Alessandro Moschitti. A Multiple-Instance Learning Approach to Sentence Selection for Question Ranking	
14.40 – 14.50	Morteza Haghiri Chehreghani. Feature-Oriented Analysis of User Profile Completion Problem	
14.50 – 15.00	Fattane Zarrinkalam, Hossein Fani, Ebrahim Bagheri and Mohsen Kahani. Predicting Users' Future Interests on Twitter	
15.00 – 16.00	Short Presentation Posters & Refreshment Break	Crombie Suite
16.00 – 17.30	<b>Panel on Information Retrieval and Artificial Intelligence</b> Moderator: Maarten de Rijke Panelists: Laura Dietz, Alex Hauptmann, Julio Gonzalo	Fleming Auditorium
19.00 – 22.00	Conference Banquet & Ceilidh	Rox Hotel

## Wednesday 12th April 2017

08.00 – 09.00	Refreshments	Crombie Suite
09.100– 10.30	<b>Keynote - Alexander Hauptmann (Carnegie Mellon University)</b> - Efficient query results on the content of millions of videos Chair: Joemon Jose	Fleming Auditorium
10.30 – 11.00	Refreshment Break	Crombie Suite
11.00 – 12.00	<b>Short Presentations - Session 4</b> Chair: Gareth Jones	Fleming Auditorium
11.00 – 11.10	Aldo Lipani, Joao Palotti, Mihai Lupu, Florina Piroi, Guido Zuccon and Allan Hanbury. Fixed-Cost Pooling Strategies based on IR Evaluation Measures	
11.10 – 11.20	Guangyuan Piao and John G. Breslin. Inferring User Interests for Passive Users on Twitter by Leveraging Followee Biographies	
11.20 – 11.30	Anna Sepiarskaia, Filip Radlinski and Maarten de Rijke. Simple Personalized Search Based on Long-Term Behavioral Signals	
11.30 – 11.40	Ahmed Mourad, Falk Scholer and Mark Sanderson. Language Influences on Tweeter Geolocation	
11.40 – 11.50	Georgeta-Cristina Garbacea and Evangelos Kanoulas. A Systematic Analysis of Temporal Summarization Methods	
11.50 – 12.00	Xinyi Li and Maarten de Rijke. Do Topic Shift and Query Reformulation Patterns Correlate in Academic Search?	
12.00 – 14.00	Short Presentation Posters & Lunch	Crombie Suite
14.00 – 15.00	<b>Short Presentations - Session 5</b> Chair: Georges Quenot	Fleming Auditorium
14.00 – 14.10	Guillaume Dubuisson Duplessis, Franck Charras, Vincent Letard, Anne-Laure Ligozat and Sophie Rosset. Utterance Retrieval based on Recurrent Surface Text Patterns	
14.10 – 14.20	Enrique Amigó, Julio Gonzalo, Fernando Giner and Felisa Verdejo. Formal and Empirical Study of Unsupervised Signal Combination for Textual Similarity Tasks	
14.20 – 14.30	Hajer Ayadi, Mouna Torjmen, Mariam Daoud, Jimmy Huang and Maher Ben Jemaa. Learning to Re-rank Medical Images Using a Bayesian Network-Based Thesaurus	
14.30 – 14.40	Callum Fare and Ognjen Arandjelovic. Ancient Roman Coin Retrieval: A New Dataset and A Systematic Examination of the Effects of Coin Grade	
14.40 – 14.50	Leonidas Valavanis, Spyridon Stathopoulos and Theodore Kalamboukis. Fusion of Bag-of-Words Models for Image Classification in the Medical Domain	
14.50 – 15.00	Ralph Ewerth, Matthias Springstein, Lo An Phan-Vogtmann and Juliane Schütze. "Are Machines Better Than Humans in Image Tagging?" - A User Study Adds to the Puzzle	
15.00 – 15.30	Short Presentation Posters & Refreshment Break	Crombie Suite
15.30 – 17.00	<b>Long Presentations - Session 2</b> Chair: Morgan Harvey	Fleming Auditorium
15.30 – 16.00	Mohammad Alian Nejadi, Dimitrios Rafailidis and Fabio Crestani. Personalized Keyword Boosting for Venue Suggestion based on Multiple LBSNs	
16.00 – 16.30	Faegheh Hasibi, Krisztian Balog and Svein Erik Bratsberg. Entity Linking in Queries: Efficiency vs. Effectiveness	
16.30 – 17.00	Anjie Fang, Craig Macdonald, Iadh Ounis, Philip Habel and Xiao Yang. Exploring Time-Sensitive Variational Bayesian Inference LDA for Social Media Data	
17.00 – 17.30	<b>Close</b> - Georges Quenot, Stefan Rueger, Joemon Jose, Claudia Hauff	Fleming Auditorium
19.00 – 20.00	<b>Welcome Industry Day</b> Aberdeen City Council representative/Udo Kruschwitz	Town House, Aberdeen

## Thursday 13th April 2017 (Industry Day)

09.30 – 10.00	Registration check-in and refreshments	AECC foyer/Gordon A
10.00 – 11.40	<b>Session 1</b>	Gordon B
	10:00 - 10:10	<b>Introduction</b>
	10:10 - 10:40	<b>Peter Mika (Senior Director of Engineering, Schibsted)</b> - Search and Recommendations at Schibsted
	10:40 - 11:10	<b>Edgar Meij (Senior Scientist Bloomberg)</b> - Semantic Search at Bloomberg
	11:10 - 11:40	<b>James McMinn (Founder &amp; Social News Analyst, Scoop Analytics)</b> - Breaking news before it breaks: Using Social Media to get the Scoop
11:40 - 12:00	Refreshment Break	Gordon A
12.00 – 13.00	<b>Session 2</b>	Gordon B
	12:00 - 12:30	<b>Michaela Regneri (Product Manager BI Analytics, OTTO)</b> - Science-savvy search on an enterprise scale
	12:30 - 13:00	<b>Ross McLean (Business Intelligence Analyst, Independent Data Services)</b> - Text mining operational reports
13:00 - 14:00	Lunch	Gordon A
14.00 – 15.15	<b>Session 3</b>	Gordon B
	14:00 - 14:30	<b>Richard Boulton (Head of Software Engineering, Government Digital Service)</b> - Building a taxonomy for all published government content
	14:30 - 15:00	<b>Ehud Reiter (Chief Scientist, Arria NLG)</b> - Data-To-Text: Generating English Summaries of Complex Data
	15:00 - 15:30	<b>Elizabeth Daly (Research Scientist, IBM Research)</b> - Supporting Actionable Insights
15:30 - 15:45	Refreshment Break	Gordon A
15.45 – 17.15	<b>Session 4</b>	Gordon B
	15:45 - 16:15	<b>Will Moy (Director, Full Fact)</b> - Automated Factchecking in the Era of Fake News
	16:15 - 16:45	<b>Charlie Hull (Owner &amp; CEO, Flax)</b> - How to build an automated factchecker with Apache Solr and Luwak
	16:45 - 17:15	<b>Fishbowl Session</b>

## List of Demo Papers

1	Stefan Feyer, Sophie Siebert, Bela Gipp, Akiko Aizawa and Joeran Beel	Integration of the Scientific Recommender System Mr. DLib into the Reference Manager JabRef
2	Christophe Van Gysel, Evangelos Kanoulas and Maarten de Rijke	Pyndri: a Python Interface to the Indri Search Engine
3	Ankesh Anand, Tanmoy Chakraborty and Amitava Das	FairScholar: Balancing Relevance and Diversity for Scientific Paper Recommendation
4	Robert Gaizauskas, Ahmet Aker, Emma Barker, Adam Funk, Monica Lestari Paramita and Mark Hepple	The SENSEI Overview of Newspaper Readers' Comments
5	Fedelucio Narducci, Pierpaolo Basile, Pasquale Lops, Marco De Gemmis and Giovanni Semeraro	Temporal Semantic Analysis of Conference Proceedings
6	Prateek Goel, Ivan Giangreco, Luca Rossetto, Claudiu Tanase and Heiko Schuldt	"Hey, vitrivr!" – A Multimodal UI for Video Retrieval
7	Ameer Albaham, Maram Hasanain, Marwan Torki and Tamer Elsayed	QweetFinder: Real-time Finding and Filtering of Question Tweets

## List of Short Papers

1	Eddy Maddalena, Stefano Mizzaro and Kevin Roitero	Do Easy Topics Predict Effectiveness Better Than Difficult Topics?
2	Kai Hui and Klaus Berberich	Low-Cost Preference Judgment via Ties
3	Mozhdeh Arianezhad, Ali MontazerAlghaem, Hamed Zamani and Azadeh Shakery	Iterative Estimation of Document Relevance Score for Pseudo-Relevance Feedback
4	Thanh Vu, Dat Quoc Nguyen, Mark Johnson, Dawei Song and Alistair Willis	Search Personalization with Embeddings
5	Parth Gupta and Jose Santos	Learning to classify inappropriate query-completions
6	Alexandros Bampoulidis, Joao Palotti, Mihai Lupu, Jon Brassey and Allan Hanbury	Does Online Evaluation Correspond to Offline Evaluation in Query Auto Completion?
7	Harsh Jhamtani, Rishiraj Saha Roy and Niyati Chhaya	Leveraging Site Search Logs to Identify Missing Content on Enterprise Webpages
8	Jayendra Barua and Dhaval Patel	Named Entity Classification using Search Engine's Query Suggestion
9	Fatih Hafizoglu, Emre Can Kucukoglu and Ismail Sengor Altinoglu	On the Efficiency of Selective Search
10	Rami Alkhalaf, Joemon Jose, Deepak P and Fajie Yuan	LTRo: Learning to Route Queries in Clustered P2P IR
11	Manisha Verma and Emine Yilmaz	Search Costs vs User Satisfaction on Mobile
12	Jarana Manotumruksa, Craig Macdonald and Iadh Ounis	Matrix Factorisation with Word Embeddings for Rating Prediction on Location-Based Social Networks
13	Nawal Ould Amer, Philippe Mulhem and Mathias Géry	Personalized Parsimonious Language Models for User Modeling in Social Bookmaking Systems
14	Anil Sriharsha Bandhakavi, Jeremie Clos, Nirmalie Wiratunga and Guillaume Cabanac	Emotional Reaction Prediction in Social Networks
15	Andrea Ceroni, Ujwal Gadiraju and Marco Fisichella	JustEvents: A Crowdsourced Corpus for Event Validation with Strict Temporal Constraints
16	Moumita Basu, Anurag Roy, Kripabandhu Ghosh, Somprakash Bandyopadhyay and Saptarshi Ghosh	A Novel Word Embedding Based Stemming Approach for Microblog Retrieval
17	Ganesh J, Manish Gupta and Vasudeva Varma	Improving Tweet Representations using Temporal and User Context
18	Abdelhamid Chellal, Mohand Boughanem and Bernard Dousset	Word Similarity Based Model for tweet stream prospective notification
19	Yu-Hsiang Huang, Hen-Hsen Huang and Hsin-Hsi Chen	Irony Detection with Attentive Recurrent Neural Networks
20	Ankesh Anand, Tanmoy Chakraborty and Noseong Park	We used Neural Networks to Detect Clickbaits: You won't believe what happened Next!
21	Jose Alberto Esquivel, Dyaa Albakour, David Corney, Samir Moussa and Miguel Martinez	On the Long-tail Entities in News
22	Hossein Rahmati	Negative Feedback in the Language Modeling Framework for Text Recommendations
23	Monica Lestari Paramita and Paul Clough	A Lightweight Approach to Identify Cross-Lingual Similarity in Wikipedia
24	Javid Dadashkarimi, Mahsa S. Shahshahani, Amirhossein Tebbifakhr, Hesham Faili and Azadeh Shakery	Dimension Projection among Languages based on Pseudo-relevant Documents for Query Translation
25	Panthadeep Bhattacharjee and Amit Awekar	Batch Incremental Shared Nearest Neighbor Density Based Clustering Algorithm for Dynamic Datasets
26	Siddhesh Khandelwal and Amit Awekar	Faster K-Means Cluster Estimation

27	Corina Florescu and Cornelia Caragea	A New Scheme for Scoring Phrases in Unsupervised Keyphrase Extraction
28	Faisal Alvi, Mark Stevenson and Paul Clough	Plagiarism Detection in Texts with Obfuscated Homoglyphs
29	Yumeng Qin, Dominik Wurzer, Victor Lavrenko and Cunchen Tan	Counteracting Novelty Decay in First Story Detection
30	Luca Soldaini and Nazli Goharian	Learning to Rank for Consumer Health Search: a Semantic Approach
31	Arman Cohan, Allan Fong, Nazli Goharian and Raj Ratwani	A Neural Attention Model for Categorizing Patient Safety Events
32	Marcin Skowron, Florian Lemmerich, Bruce Ferwerda and Markus Schedl	Predicting Genre Preferences from Cultural and Socio-economic Factors for Music Retrieval
33	Shuo Zhang and Krisztian Balog	Design Patterns for Fusion-Based Object Retrieval
34	Eric Müller, Matthias Springstein and Ralph Ewerth	"When was this picture taken?" - Image Date Estimation in the Wild
35	Nikolaos Aletras and Arpit Mittal	Labeling Topics with Images using a Neural Network