

# ECIR 2021 PROGRAM

SUNDAY MARCH 28, TUTORIALS AND DOCTORAL CONSORTIUM

## **RL4IR: REINFORCEMENT LEARNING FOR INFORMATION RETRIEVAL (FULL DAY)**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM, 2:15 PM-4:15 PM

**TUTORIAL**

ALEXANDER KUHNLE BLUE PRISM AI LABS

MIGUEL AROCA-OUELLETTE BLUE PRISM AI LABS

MURAT SENSOY BLUE PRISM AI LABS

JOHN REID BLUE PRISM AI LABS

DELL ZHANG BLUE PRISM AI LABS

## **BoW2B: IR FROM BAG-OF-WORDS TO BERT AND BEYOND THROUGH PRACTICAL EXPERIMENTS - AN ECIR 2021 TUTORIAL WITH PYTERRIER AND OPENNIR (FULL DAY)**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM, 2:15 PM-4:15 PM

**TUTORIAL**

SEAN MACAVANEY UNIVERSITY OF GLASGOW

CRAIG MACDONALD UNIVERSITY OF GLASGOW

NICOLA TONELLOTO UNIVERSITY OF PISA

## **FAKE NEWS: FAKE NEWS, DISINFORMATION, PROPAGANDA, MEDIA BIAS, AND FLATTENING THE CURVE OF THE COVID-19 INFODEMIC (HALF DAY)**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM

**TUTORIAL**

PRESLAV NAKOV QATAR COMPUTING RESEARCH INSTITUTE, HBKU

GIOVANNI DA SAN MARTINO QATAR COMPUTING RESEARCH INSTITUTE

## **BIAS: OPERATIONALIZING TREATMENTS AGAINST BIAS: CHALLENGES AND SOLUTIONS (HALF DAY)**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM

**TUTORIAL**

LUDOVICO BORATTO

MIRKO MARRAS UNIVERSITY OF CAGLIARI

## **PRIVACY: LARGE-SCALE INFORMATION EXTRACTION UNDER PRIVACY-AWARE CONSTRAINTS (HALF DAY)**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM

**TUTORIAL**

RAJEEV GUPTA MICROSOFT

RANGANATH KONDAPALLY MICROSOFT INDIA R&D

## **DOCTORAL CONSORTIUM**

9:00 AM-10:30 AM, 11:00 AM-1:00 PM

**DOCTORAL CONSORTIUM**

### **WELCOME**

### **DEEP LEARNING SYSTEM FOR BIOMEDICAL RELATION EXTRACTION COMBINING EXTERNAL SOURCES OF KNOWLEDGE**

DIANA SOUSA

### **INVITED: THE PHD JOURNEY**

JOHANNE TRIPPAS, DAVID MAXWELL

### **DEEP SEMANTIC ENTITY LINKING**

PEDRO RUAS

### **BACKGROUND LINKING OF NEWS ARTICLES**

MARWA ESSAM

### **AUTOMATED MULTI-DOCUMENT TEXT SUMMARIZATION FROM HETEROGENEOUS DATA SOURCES**

MAHSA ABAZARI KIA

### **MULTIDIMENSIONAL RELEVANCE IN TASK-SPECIFIC RETRIEVAL**

DIVI PUTRI

**SASC: SEARCH AMONG SENSITIVE CONTENT (HALF DAY)**

2:15 PM-4:15 PM, 4:45 PM-6:15 PM

**TUTORIAL**

**GRAHAM MCDONALD** UNIVERSITY OF GLASGOW

**DOUGLAS OARD** UNIVERSITY OF MARYLAND

**AL4REC: ADVERSARIAL LEARNING FOR RECOMMENDATION (HALF DAY)**

2:15 PM-4:15 PM, 4:45 PM-6:15 PM

**TUTORIAL**

**VITO WALTER ANELLI** POLITECNICO DI BARI

**YASHAR DELDJOO** POLITECNICO DI BARI

**TOMMASO DI NOIA** POLITECNICO DI BARI

**FELICE ANTONIO MERRA** POLITECNICO DI BARI

**BIOMED: BIOMEDICAL DATA, TEXT RETRIEVAL AND SEMANTIC PROCESSING (HALF DAY)**

2:15 PM-4:15 PM, 4:45 PM-6:15 PM

**TUTORIAL**

**FRANCISCO COUTO** UNIVERSITY OF LISBON

## MONDAY MARCH 29, MAIN CONFERENCE, DAY 1

### SESSION 1A: EVALUATION (CHAIR: JAANA KEKÄLÄINEN)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### **ON THE INSTABILITY OF DIMINISHING RETURN IR MEASURES (FULL PAPER)**

TETSUYA SAKAI

#### **AN ENHANCED EVALUATION FRAMEWORK FOR QUERY PERFORMANCE PREDICTION (FULL PAPER)**

GUGLIELMO FAGGIOLI, OLEG ZENDEL, SHANE CULPEPPER, NICOLA FERRO, FALK SCHOLER

#### **ON THE FOUNDATIONS OF SIMILARITY IN INFORMATION ACCESS (IRJ PAPER) AM**

ENRIQUE AMIGÓ, FERNANDO GINER, JULIO GONZALO, FELISA VERDEJO

### SESSION 1B: CONVERSATIONAL SEARCH (CHAIR: JEFF DALTON)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### **MODELING USER SEARCH TASKS WITH A LANGUAGE-AGNOSTIC UNSUPERVISED APPROACH (FULL PAPER)**

LUIS LUGO, JOSE G MORENO, GILLES HUBERT

#### **USER ENGAGEMENT PREDICTION FOR CLARIFICATION IN SEARCH (FULL PAPER)**

IVAN SEKULIC, MOHAMMAD ALIANNEJADI, FABIO CRESTANI

#### **OPEN-DOMAIN CONVERSATIONAL SEARCH ASSISTANT WITH TRANSFORMERS (FULL PAPER)**

RAFAEL FERREIRA, MARIANA LEITE, DAVID SEMEDO, JOAO MAGALHAES

### SESSION 1C: PATENT AND LEGAL IR (CHAIR: GUIDO ZUCCON)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### **CROSS-DOMAIN RETRIEVAL IN THE LEGAL AND PATENT DOMAINS: A REPRODUCIBILITY STUDY (REPRODUCIBILITY PAPER)**

SOPHIA ALTHAMMER, SEBASTIAN HOFSTÄTTER, ALLAN HANBURY

#### **LABEL DEFINITIONS AUGMENTED INTERACTION MODEL FOR LEGAL CHARGE PREDICTION (FULL PAPER)**

LIANGYI KANG, JIE LIU, LINGQIAO LIU, DAN YE

#### **A MULTI-TASK APPROACH TO NEURAL MULTI-LABEL HIERARCHICAL PATENT CLASSIFICATION USING TRANSFORMERS (FULL PAPER)**

SUBHASH CHANDRA PUJARI, ANNEMARIE FRIEDRICH, JANNIK STROETGEN

### COFFEE BREAK

10:30 AM-11:00 AM

### SESSION 2C: SHORT PAPERS & DEMO PAPERS

10:30 AM-1:30 PM

**MAIN CONFERENCE**

#### **HSEARCH: SEMANTIC SEARCH SYSTEM FOR WORKPLACE ACCIDENT REPORTS (DEMO PAPER - BOOTH 14)**

EMRAH INAN, PAUL THOMPSON, TIM YATES, SOPHIA ANANIADOU

#### **LOGUI: CONTEMPORARY LOGGING INFRASTRUCTURE FOR WEB-BASED EXPERIMENTS (DEMO PAPER - BOOTH 15)**

DAVID MAXWELL, CLAUDIA HAUFF

#### **BRIEF DESCRIPTION OF COVID-SEE: THE SCIENTIFIC EVIDENCE EXPLORER FOR COVID-19 RELATED RESEARCH (DEMO PAPER - BOOTH 16)**

KARIN VERSPOOR, SIMON SUSTER, YULIA OTMAKHOVA, SHEVON MENDIS, ZENAN ZHAI, BIAOYAN FANG, JEY HAN LAU, TIMOTHY BALDWIN, ANTONIO JIMENO, DAVID MARTINEZ

#### **CORALEXP: AN EXPLAINABLE SYSTEM TO SUPPORT CORAL TAXONOMY RESEARCH (DEMO PAPER - BOOTH 17)**

JAIDEN HARDING, TOM BRIDGE, GIANLUCA DEMARTINI

#### **PREFACE++: FACETED RETRIEVAL OF PREREQUISITES AND TECHNICAL DATA (DEMO PAPER - BOOTH 18)**

PRAJNA UPADHYAY, MAYA RAMANATH

**SHOULD I VISIT THIS PLACE? INCLUSION AND EXCLUSION PHRASE MINING FROM REVIEWS (SHORT PAPER - BOOTH 1)**

OMKAR GURJAR, MANISH GUPTA

**HOW DO USERS REVISE ZERO-HIT PRODUCT SEARCH QUERIES? (SHORT PAPER - BOOTH 2)**

YUKI AMEMIYA, TOMOHIRO MANABE, SUMIO FUJITA, TETSUYA SAKAI

**BAYESIAN SYSTEM INFERENCE ON SHALLOW POOLS (SHORT PAPER - BOOTH 3)**

RODGER BENHAM, ALISTAIR MOFFAT, SHANE CULPEPPER

**IMPROVING COLD-START RECOMMENDATION VIA MULTI-PRIOR META-LEARNING (SHORT PAPER - BOOTH 4)**

ZHENGYU CHEN, DONGLIN WANG, SHIQIAN YIN

**SIMPLIFIED TINYBERT: KNOWLEDGE DISTILLATION FOR DOCUMENT RETRIEVAL (SHORT PAPER - BOOTH 5)**

XUANANG CHEN, BEN HE, KAI HUI, LE SUN, YINGFEI SUN

**SQE-GAN: A SUPERVISED QUERY EXPANSION SCHEME VIA GAN (SHORT PAPER - BOOTH 6)**

TIANLE FU, QI TIAN, HUI LI

**TRANSFER LEARNING AND AUGMENTATION FOR WORD SENSE DISAMBIGUATION (SHORT PAPER - BOOTH 7)**

HARSH KOHLI

**DEEP QUERY LIKELIHOOD MODEL FOR INFORMATION RETRIEVAL (SHORT PAPER - BOOTH 8)**

SHENGYAO ZHUANG, HANG LI, GUIDO ZUCCON

**MULTI-SPAN EXTRACTIVE READING COMPREHENSION WITHOUT MULTI-SPAN SUPERVISION (SHORT PAPER - BOOTH 9)**

TAKUMI TAKAHASHI, MOTOKI TANIGUCHI, TOMOKI TANIGUCHI, TOMOKO OHKUMA

**TRANSFORMER-BASED APPROACH TOWARDS MUSIC EMOTION RECOGNITION FROM LYRICS (SHORT PAPER - BOOTH 10)**

YUDHIK AGRAWAL, R GURU RAVI SHANKER, VINOO ALLURI

**CLUSTERING-AUGMENTED MULTI-INSTANCE LEARNING FOR NEURAL RELATION EXTRACTION (SHORT PAPER - BOOTH 11)**

QI ZHANG, SILIANG TANG, JINQUAN SUN, YU WANG, LEI ZHANG

**DETECTING AND FORECASTING MISINFORMATION BY TEMPORAL POINT PROCESSES (SHORT PAPER - BOOTH 12)**

QIANG ZHANG, JONATHAN COOK, EMINE YILMAZ

**NEURAL FEATURE SELECTION FOR LEARNING TO RANK (SHORT PAPER - BOOTH 13)**

ALBERTO PURPURA, KAROLINA BUCHNER, GIANMARIA SILVELLO, GIAN ANTONIO SUSTO

## **SESSION 2A: HEALTH IR (CHAIR: BEVAN KOOPMAN)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**RELIABILITY PREDICTION FOR HEALTH-RELATED CONTENT: A REPLICABILITY STUDY (REPRODUCIBILITY PAPER)**

MARCOS FERNÁNDEZ-PICHEL, JUAN CARLOS PICHEL, DAVID E. LOSADA, DAVID ELSWEILER

**KNOWLEDGE GRAPH CONVOLUTION NETWORKS FOR RANKING DIAGNOSES (FULL PAPER)**

BING LIU, GUIDO ZUCCON, WEN HUA, WEITONG CHEN

**DRUG AND DISEASE INTERPRETATION LEARNING WITH BIOMEDICAL ENTITY REPRESENTATION TRANSFORMER (FULL PAPER)**

ZULFAT MIFTAKHUTDINOV, ARTUR KADURIN, ROMAN KUDRIN, ELENA TUTUBALINA

**A DEEP ANALYSIS OF AN EXPLAINABLE RETRIEVAL MODEL FOR PRECISION MEDICINE LITERATURE SEARCH (FULL PAPER)**

JIAMING QU, JAIME ARGUELLO, YUE WANG

## **SESSION 2B: RECOMMENDER SYSTEMS (CHAIR: MIRKO MARRAS)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**DISPARATE IMPACT IN ITEM RECOMMENDATION: A CASE OF GEOGRAPHIC IMBALANCE (FULL PAPER)**

ELIZABETH GÓMEZ, LUDOVICO BORATTO, MARIA SALAMÓ

**YOU GET WHAT YOU CHAT: USING CONVERSATIONS TO PERSONALIZE SEARCH-BASED RECOMMENDATIONS (FULL PAPER)**

GHAZALEH H. TORBATI, ANDREW YATES, GERHARD WEIKUM

**METRIC LEARNING FOR SESSION-BASED RECOMMENDATIONS (FULL PAPER)**

BARTŁOMIEJ TWARDOWSKI, PAWEŁ ZAWISTOWSKI, SZYMON ZABOROWSKI

**CAUSALITY-AWARE NEIGHBORHOOD METHODS FOR RECOMMENDER SYSTEMS (FULL PAPER)**

MASAHIRO SATO, JANMAJAY SINGH, SHO TAKEMORI, QIAN ZHANG

**LUNCH BREAK AND VIRTUAL VISIT TO LUCCA**

1:00 PM-2:15 PM

**SESSION 3C: SHORT PAPERS & DEMO PAPERS**

1:45 PM-4:45 PM

**MAIN CONFERENCE**

**ASPECT-BASED PASSAGE RETRIEVAL WITH CONTEXTUALIZED DISCOURSE VECTORS (DEMO PAPER - BOOTH 14)**

JENS-MICHALIS PAPAIOANNOU, MANUEL MAYRDORFER, SEBASTIAN ARNOLD, FELIX A. GERS, KLEMENS BUDDE, ALEXANDER LÖSER

**AN EXTENSIBLE TOOLKIT OF QUERY REFINEMENT METHODS AND GOLD STANDARD DATASET GENERATION (DEMO PAPER - BOOTH 15)**

HOSSEIN FANI, FATTANE ZARRINKALAM, JAMIL SAMOUH, SAMAD PAYDAR, EBRAHIM BAGHERI

**REPRO\_EVAL: A PYTHON INTERFACE TO REPRODUCIBILITY MEASURES OF SYSTEM-ORIENTED IR EXPERIMENTS (DEMO PAPER - BOOTH 16)**

TIMO BREUER, NICOLA FERRO, MARIA MAISTRO, PHILIPP SCHAEER

**NEWS MONITOR: A FRAMEWORK FOR QUERYING NEWS IN REAL TIME (DEMO PAPER - BOOTH 17)**

ANTONIA SARAVANOU, NIKOLAOS PANAGIOTOU, DIMITRIOS GUNOPULOS

**TIME-MATTERS: TEMPORAL UNFOLDING OF TEXTS (DEMO PAPER - BOOTH 18)**

RICARDO CAMPOS, JORGE DUQUE, TIAGO CÂNDIDO, JORGE MENDES, GAËL DIAS, ALÍPIO JORGE, CÉLIA NUNES

**EVENT DETECTION WITH ENTITY MARKERS (SHORT PAPER - BOOTH 1)**

EMANUELA BOROS, JOSE G MORENO, ANTOINE DOUCET

**TWEET LENGTH MATTERS: A COMPARATIVE ANALYSIS ON TOPIC DETECTION IN MICROBLOGS (SHORT PAPER - BOOTH 2)**

FURKAN ŞAHINUÇ, CAGRI TORAMAN

**DYNAMIC CROSS-SENTENTIAL CONTEXT REPRESENTATION FOR EVENT DETECTION (SHORT PAPER - BOOTH 3)**

DORIAN KODELJA, ROMARIC BESANCON, OLIVIER FERRET

**WEAKLY SUPERVISED LABEL SMOOTHING (SHORT PAPER - BOOTH 4)**

GUSTAVO PENHA, CLAUDIA HAUFF

**EXPLORING THE INCORPORATION OF OPINION POLARITY FOR ABSTRACTIVE MULTI-DOCUMENT SUMMARISATION (SHORT PAPER - BOOTH 5)**

DOMINIK RAMSAUER, UDO KRUSCHWITZ

**RIGHT FOR THE RIGHT REASONS: MAKING IMAGE CLASSIFICATION INTUITIVELY EXPLAINABLE (SHORT PAPER - BOOTH 6)**

ANNA NGUYEN, ADRIAN OBERFÖLL, MICHAEL FÄRBER

**FROM THE BEATLES TO BILLIE EILISH: CONNECTING PROVIDER REPRESENTATIVENESS AND EXPOSURE IN SESSION-BASED RECOMMENDER SYSTEMS (SHORT PAPER - BOOTH 7)**

ALEJANDRO ARIZA, FRANCESCO FABBRI, LUDOVICO BORATTO, MARIA SALAMÓ

**DIVERSITY AWARE RELEVANCE LEARNING FOR ARGUMENT SEARCH (SHORT PAPER - BOOTH 8)**

MICHAEL FROMM, MAX BERRENDORF, SANDRA OBERMEIER, THOMAS SEIDL, EVGENIY FAERMAN

**QUERY PERFORMANCE PREDICTION THROUGH RETRIEVAL COHERENCY (SHORT PAPER - BOOTH 9)** 1:45 PM-4:45 PM

NEGAR ARABZADEH, AMIN BIGDELI, MORTEZA ZIHAYAT, EBRAHIM BAGHERI

**CROSS-MODAL MEMORY FUSION NETWORK FOR MULTIMODAL SEQUENTIAL LEARNING WITH MISSING VALUES (SHORT PAPER - BOOTH 10)**

CHEN LIN, JOYCE C. HO, EUGENE AGICHTAIN

**BIGBERT: CLASSIFYING EDUCATIONAL WEB RESOURCES FOR KINDERGARTEN-12TH GRADES (SHORT PAPER - BOOTH 11)**

**GARRETT ALLEN, BRODY DOWNS, APRAJITA SHUKLA, CASEY KENNINGTON, JERRY FAILS, KATHERINE WRIGHT, SOLE PERA**  
**PREDICTING QUESTION RESPONSES TO IMPROVE THE PERFORMANCE OF RETRIEVAL-BASED CHATBOT**  
**(SHORT PAPER - BOOTH 12)**

**DISEN WANG, HUI FANG**

**EXPLORING GENDER BIASES IN INFORMATION RETRIEVAL RELEVANCE JUDGEMENT DATASETS (SHORT PAPER - BOOTH 13)**

**AMIN BIGDELI, NEGAR ARABZADEH, MORTEZA ZIHAYAT, EBRAHIM BAGHERI**

**SESSION 3A: NEURAL IR (CHAIR: FABRIZIO SILVESTRI)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**COMPARING SCORE AGGREGATION APPROACHES FOR PRETRAINED NEURAL LANGUAGE MODELS**  
**(REPRODUCIBILITY PAPER)**

**XINYU ZHANG, ANDREW YATES, JIMMY LIN**

**COMPLEMENT LEXICAL RETRIEVAL MODEL WITH SEMANTIC RESIDUAL EMBEDDINGS (FULL PAPER)**

**LUYU GAO, ZHUYUN DAI, TONGFEI CHEN, ZHEN FAN, BENJAMIN VAN DURME, JAMIE CALLAN**

**EXPLORING CLASSIC AND NEURAL LEXICAL TRANSLATION MODELS: INTERPRETABILITY, EFFECTIVENESS, AND EFFICIENCY BENEFITS (FULL PAPER)**

**LEO BOYTSOV, ZICO KOLTER**

**STUDYING THE CATASTROPHIC FORGETTING PROBLEM IN NEURAL RANKING MODELS (FULL PAPER)**

**JESUS LOVON, LAURE SOULIER, KAREN PINEL-SAUVAGNAT, LYNDA TAMINE**

**SESSION 3B: QUESTION ANSWERING (CHAIR: GIOVANNI DA SAN MARTINO)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**USING THE HAMMER ONLY ON NAILS: A HYBRID METHOD FOR REPRESENTATION-BASED EVIDENCE RETRIEVAL FOR QUESTION ANSWERING (FULL PAPER)**

**ZHENGZHONG LIANG, YIYUN ZHAO, MIHAI SURDEANU**

**ANSWER SENTENCE SELECTION USING LOCAL AND GLOBAL CONTEXT IN TRANSFORMER MODELS (FULL PAPER)**

**IVANO LAURIOLA, ALESSANDRO MOSCHITTI**

**WEAKLY-SUPERVISED OPEN-RETRIEVAL CONVERSATIONAL QUESTION ANSWERING (FULL PAPER)**

**CHEN QU, LIU YANG, CEN CHEN, W. BRUCE CROFT, KALPESH KRISHNA, MOHIT IYER**

**STUDYING THE EFFECTIVENESS OF CONVERSATIONAL SEARCH REFINEMENT THROUGH USER SIMULATION (FULL PAPER)**

**ALEXANDRE SALLE, SHERVIN M, EUGENE AGICHTEIN, OLEG ROKHLENKO**

**COFFEE BREAK**

4:15 PM-4:45 PM

**KEYNOTE**

**RICARDO BAEZA-YATES: "ETHICS IN AI: A CHALLENGING TASK" (CHAIR: NICOLA FERRO)**

4:45 PM-6:00 PM

**ITALIAN COOKING LESSON FROM LUCCA #1**

6:00 PM-7:00 PM

## MONDAY MARCH 30, MAIN CONFERENCE, DAY 2

### SESSION 4A: EVALUATION 2 (CHAIR: FABIO CRESTANI)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### OFFLINE EVALUATION OPTIONS FOR RECOMMENDER SYSTEMS (IRJ PAPER)

ROCÍO CAÑAMARES, PABLO CASTELLS, ALISTAIR MOFFAT

#### ON THE NATURE OF INFORMATION ACCESS EVALUATION METRICS: A UNIFYING FRAMEWORK (IRJ PAPER)

ENRIQUE AMIGÓ, STEFANO MIZZARO

#### SYSTEM EFFECT ESTIMATION BY SHARDING: A COMPARISON BETWEEN ANOVA APPROACHES TO DETECT SIGNIFICANT DIFFERENCES (REPRODUCIBILITY PAPER)

GUGLIELMO FAGGIOLI, NICOLA FERRO

### SESSION 4B: QUERY PROCESSING (CHAIR: GIORGIO MARIA DI NUNZIO)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### CEQE: CONTEXTUALIZED EMBEDDINGS FOR QUERY EXPANSION (FULL PAPER)

SHAHRZAD NASERI, JEFFREY DALTON, ANDREW YATES, JAMES ALLAN

#### A COMPARISON OF AUTOMATIC BOOLEAN QUERY FORMULATION (IRJ PAPER)

HARRY SCHELLS, GUIDO ZUCCON, BEVAN KOOPMAN

#### EXTRACTING SEARCH TASKS FROM QUERY LOGS USING A RECURRENT DEEP CLUSTERING ARCHITECTURE (FULL PAPER)

LUIS LUGO, JOSE G MORENO, GILLES HUBERT

### SESSION 4C: FEDERATED LEARNING (CHAIR: SUZAN VERBERNE)

9:00 AM-10:30 AM

**MAIN CONFERENCE**

#### ROBUSTNESS OF META MATRIX FACTORIZATION AGAINST STRICT PRIVACY CONSTRAINTS (REPRODUCIBILITY PAPER)

PETER MÜLLNER, DOMINIK KOWALD, ELISABETH LEX

#### FEDERANK: USER CONTROLLED FEEDBACK WITH FEDERATED RECOMMENDER SYSTEMS (FULL PAPER)

VITO WALTER ANELLI, YASHAR DELDJOO, TOMMASO DI NOIA, ANTONIO FERRARA, FEDELUCIO NARDUCCI

#### FEDERATED ONLINE LEARNING TO RANK WITH EVOLUTION STRATEGIES: A REPRODUCIBILITY STUDY (REPRODUCIBILITY PAPER)

SHUYI WANG, SHENGYAO ZHUANG, GUIDO ZUCCON

### COFFEE BREAK

10:30 AM-11:00 AM

### SESSION 5A: ENTITY ALIGNMENT AND RECOGNITION (CHAIR: FAEGHEH HASIBI)

11:00 AM-1:00 PM

**MAIN CONFERENCE**

#### ACTIVE LEARNING FOR ENTITY ALIGNMENT (FULL PAPER)

MAX BERRENDORF, EVGENIY FAERMAN, VOLKER TRESP

#### A CRITICAL ASSESSMENT OF STATE-OF-THE-ART IN ENTITY ALIGNMENT (REPRODUCIBILITY PAPER)

MAX BERRENDORF, LUDWIG WACKER, EVGENIY FAERMAN

#### DSMER: A DEEP SEMANTIC MATCHING BASED FRAMEWORK FOR NAMED ENTITY RECOGNITION (FULL PAPER)

YUFENG LYU, JIANG ZHONG

#### A HIERARCHICAL APPROACH FOR JOINT EXTRACTION OF ENTITIES AND RELATIONS (FULL PAPER)

SIQI XIAO, QI ZHANG, JINQUAN SUN, YU WANG, LEI ZHANG

### SESSION 5B: SENTIMENT ANALYSIS (CHAIR: ANNALINA CAPUTO)

11:00 AM-1:00 PM

**MAIN CONFERENCE**

#### REPRODUCIBILITY, REPLICABILITY AND BEYOND: ASSESSING PRODUCTION READINESS OF ASPECT BASED SENTIMENT ANALYSIS IN THE WILD (REPRODUCIBILITY PAPER)

RAJDEEP MUKHERJEE, SHREYAS SHETTY M, SUBRATA CHATTOPADHYAY, SUBHADEEP MAJI, SAMIK DATTA, PAWAN GOYAL  
**SHARING EMOTIONS: DETERMINING FILMS' EVOKED EMOTIONAL EXPERIENCE FROM THEIR ONLINE REVIEWS (IRJ PAPER)**

OSNAT MOKRYN, DAVID BODOFF, NADIM BADER, YAEL ALBO, JOEL LANIR

**SENTIMENT-ORIENTED METRIC LEARNING FOR TEXT-TO-IMAGE RETRIEVAL (FULL PAPER)**

QUOC-TUAN TRUONG, HADY LAUW

**RE-ASSESSING THE "CLASSIFY AND COUNT" QUANTIFICATION METHOD (REPRODUCIBILITY PAPER)**

ALEJANDRO MOREO FERNÁNDEZ, FABRIZIO SEBASTIANI

## **SESSION 5C: CLEF LAB DESCRIPTIONS 1 (SESSION CHAIR: JOSIANE MOTHE)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**THE 2021 IMAGECLEF BENCHMARK MULTIMEDIA RETRIEVAL IN MEDICAL, NATURE, INTERNET AND SOCIAL MEDIA APPLICATIONS**

BOGDAN IONESCU, HENNING MÜLLER, RENAUD PETERI, ASMA BEN ABACHA, DINA DEMNER-FUSHMAN, SADID HASAN, OBIOMA PELKA, CHRISTOPH M. FRIEDRICH, ALBA GARCIA, JANADHIP JACUTPRAKART, VASSILI KOVALEV, SERGE KOZLOVSKI, JON CHAMBERLAIN, ADRIAN CLARK, ANTONIO CAMPELLO, HASSAN MOUSTAHDID, THOMAS OLIVER, PAUL BRIE, RAUL BERARI, DIMITRI FICHO, ANDREI TAUTEANU, MIHAI DOGARIU, LIVIU DANIEL STEFAN, MIHAI GABRIEL CONSTANTIN, JÉRÔME DESHAYES, ADRIAN POPESCU

**ERISK 2021: PATHOLOGICAL GAMBLING, SELF-HARM AND DEPRESSION CHALLENGES**

JAVIER PARAPAR, PATRICIA MARTIN-RODILLA, DAVID E. LOSADA, FABIO CRESTANI

**CHEMU 2021: REACTION REFERENCE RESOLUTION AND ANAPHORA RESOLUTION IN CHEMICAL PATENTS**

JIAYUAN HE, BIAOYAN FANG, HIYORI YOSHIKAWA, SABER A. AKHONDI, CHRISTIAN DRUCKENBRODT, CAMILO THORNE, ZUBAIR AFZAL, ZENAN ZHAI, LAWRENCE CAVEDON, TREVOR COHN, TIMOTHY BALDWIN, KARIN VERSPOOR, YUAN LI

**OVERVIEW OF TOUCHÉ 2021: ARGUMENT RETRIEVAL**

ALEXANDER BONDARENKO, LUKAS GIENAPP, MAIK FRÖBE, MERIEM BELOUCIF, YAMEN AJJOUR, ALEXANDER PANCHENKO, CHRIS BIEMANN, BENNO STEIN, HENNING WACHSMUTH, WEBIS GROUP, MATTHIAS HAGEN

**OVERVIEW OF PAN 2021: AUTHORSHIP VERIFICATION, PROFILING HATE SPEECH SPREADERS ON TWITTER, AND STYLE CHANGE DETECTION**

JANEK BEVENDORFF, MARÍA ALBERTA CHULVI FERRIOLS, GRETTEL LIZ DE LA PEÑA SARRACÉN, MIKE KESTEMONT, ENRIQUE MANJAVACAS, ILIA MARKOV, MAXIMILIAN MAYERL, WEBIS GROUP, FRANCISCO MANUEL RANGEL PARDO, PAOLO ROSSO, EFSTATHIOS STAMATATOS, BENNO STEIN, MATTI WIEGMANN, EVA ZANGERLE

**THE CLEF-2021 CHECKTHAT! LAB ON DETECTING CHECK-WORTHY CLAIMS, PREVIOUSLY FACT-CHECKED CLAIMS, AND FAKE NEWS**

PRESLAV NAKOV, GIOVANNI DA SAN MARTINO, TAMER ELSAYED, ALBERTO BARRÓN-CEDENO, RUBÉN MÍGUEZ, SHADEN SHAAR, FIROJ ALAM, FATIMA HAOUARI, MARAM HASANAIN, NIKOLAY BABULKOV, ALEX NIKOLOV, GAUTAM SHAHI, JULIA MARIA STRUB, THOMAS MANDL

## **LUNCH BREAK AND VIRTUAL VISIT TO LUCCA**

1:00 PM-2:15 PM

## **SESSION 6C: SHORT PAPERS & DEMO PAPERS**

1:45 PM-4:45 PM

**MAIN CONFERENCE**

**LEMONS: LISTENABLE EXPLANATIONS FOR MUSIC RECOMMENDER SYSTEMS (DEMO PAPER - BOOTH 14)**

ALESSANDRO BENEDETTO MELCHIORRE, VERENA HAUNSCHMID, MARKUS SCHEDL, GERHARD WIDMER

**SIGNAL BRIEFINGS: MONITORING NEWS BEYOND THE BRAND (DEMO PAPER - BOOTH 15)**

JAMES BRILL, JOSE ALBERTO ESQUIVEL, UDO KRUSCHWITZ, MIGUEL MARTINEZ, JON CHAMBERLAIN

**CHATTACK: A GAMIFIED CROWD-SOURCING PLATFORM FOR TAGGING DECEPTIVE & ABUSIVE BEHAVIOUR (DEMO PAPER - BOOTH 16)**

EMMANOUIL SMYRNAKIS, KATHERINE PAPANTONIOU, PANAGIOTIS PAPADAKOS, YANNIS TZITZIKAS

**AWESSOME: AN UNSUPERVISED SENTIMENT INTENSITY SCORING FRAMEWORK USING NEURAL WORD EMBEDDINGS (DEMO PAPER - BOOTH 17)**

AMAL HTAIT, LEIF AZZOPARDI

**MULTI-VIEW CONVERSATIONAL SEARCH INTERFACE USING A DIALOGUE-BASED AGENT (DEMO PAPER - BOOTH 18)**



ABHISHEK KAUSHIK, NICOLAS LOIR, GARETH JONES

**WINDOWING MODELS FOR ABSTRACTIVE SUMMARIZATION OF LONG TEXTS (SHORT PAPER - BOOTH 1)**

LEON SCHÜLLER, FLORIAN WILHELM, NICO KREILING, GORAN GLAVAŠ

**SOCIAL MEDIA POPULARITY PREDICTION OF PLANNED EVENTS USING DEEP LEARNING (SHORT PAPER - BOOTH 2)**

SREEKANTH MADISETTY, MAUNENDRA DESARKAR

**MULTI-HEAD SELF-ATTENTION WITH ROLE-GUIDED MASKS (SHORT PAPER - BOOTH 3)**

DONGSHENG WANG, CASPER HANSEN, LUCAS CHAVES LIMA, CHRISTIAN HANSEN, MARIA MAISTRO, JAKOB GRUE SIMONSEN, CHRISTINA LIOMA

**HOW DO ACTIVE READING STRATEGIES AFFECT LEARNING OUTCOMES IN WEB SEARCH? (SHORT PAPER - BOOTH 4)**

NIRMAL ROY, MANUEL VALLE TORRE, UJWAL GADIRAJU, DAVID MAXWELL, CLAUDIA HAUFF

**A WHITE BOX ANALYSIS OF COLBERT (SHORT PAPER - BOOTH 5)**

THIBAUT FORMAL, STEPHANE CLINCHANT, BENJAMIN PIWOWARSKI

**FINE-TUNING BERT FOR COVID-19 DOMAIN AD-HOC IR BY USING PSEUDO-QRELS (SHORT PAPER - BOOTH 6)**

XABIER SARALEGI, IÑAKI SAN VICENTE

**A COMPARISON OF QUESTION REWRITING METHODS FOR CONVERSATIONAL PASSAGE RETRIEVAL (SHORT PAPER - BOOTH 7)**

SVITLANA VAKULENKO, NIKOS VOSKARIDES, ZHUCHENG TU, SHAYNE LONGPRE

**ASSESSING THE BENEFITS OF MODEL ENSEMBLES IN NEURAL RE-RANKING FOR PASSAGE RETRIEVAL (SHORT PAPER - BOOTH 8)**

LUÍS BORGES, BRUNO MARTINS, JAMIE CALLAN

**TEXTUAL COMPLEXITY AS AN INDICATOR OF DOCUMENT RELEVANCE (SHORT PAPER - BOOTH 9)**

ANASTASIA TARANOVA, MARTIN BRASCHLER

**MULTILINGUAL EVIDENCE RETRIEVAL AND CLAIM VERIFICATION TO COMBAT GLOBAL**

**DISINFORMATION: THE POWER OF POLYGLOTISM (SHORT PAPER - BOOTH 10)**

DENISA ANCA OLTEANU ROBERTS

**TOWARDS DARK JARGON INTERPRETATION IN UNDERGROUND FORUMS (SHORT PAPER - BOOTH 11)**

DOMINIC SEYLER, WEI LIU, XIAOFENG WANG, CHENGXIANG ZHAI

**PGT: PSEUDO RELEVANCE FEEDBACK USING A GRAPH-BASED TRANSFORMER (SHORT PAPER - BOOTH 12)**

HONGCHIEN YU, ZHUYUN DAI, JAMIE CALLAN

**RETHINK TRAINING OF BERT RERANKERS IN MULTI-STAGE RETRIEVAL PIPELINE (SHORT PAPER - BOOTH 13)**

LUYU GAO, ZHUYUN DAI, JAMIE CALLAN

**SESSION 6A: MULTILINGUALITY AND MULTIMODALITY (CHAIR: ALEJANDRO MOREO)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**EVALUATING MULTILINGUAL TEXT ENCODERS FOR UNSUPERVISED CROSS-LINGUAL RETRIEVAL (FULL PAPER)**

ROBERT LITSCHKO, IVAN VULIĆ, SIMONE PAOLO PONZETTO, GORAN GLAVAŠ

**A DATASET AND BASELINES FOR MULTIMODAL PRODUCT CATEGORIZATION AND CROSS-MODAL RETRIEVAL FOR E-COMMERCE (FULL PAPER)**

HESAM AMOUALIAN, PARANTAPA GOSWAMI, PRADIPTO DAS, PABLO MONTALVO, LAURENT ACH, NATHANIEL DEAN

**HOW DO SIMPLE TRANSFORMATIONS OF TEXT AND IMAGE FEATURES IMPACT COSINE-BASED SEMANTIC MATCH? (FULL PAPER)**

GUILLEM COLLELL, SIEN MOENS

**A STUDY OF DISTRIBUTED REPRESENTATIONS FOR FIGURES OF RESEARCH ARTICLES (FULL PAPER)**

SAAR KUZI, CHENGXIANG ZHAI

**SESSION 6B: USER-GENERATED CONTENT (CHAIR: BENJAMIN PIWOWARSKI)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**PREDICTING USER ENGAGEMENT STATUS FOR ONLINE EVALUATION OF INTELLIGENT ASSISTANTS (FULL PAPER)**

**RUI MENG, ZHEN YUE, ALYSSA GLASS**

**TEXTUAL CHARACTERISTICS OF NEWS TITLE AND BODY TO DETECT FAKE NEWS: A REPRODUCIBILITY STUDY (REPRODUCIBILITY PAPER)**

**ANU SHRESTHA, FRANCESCA SPEZZANO**

**STAY ON TOPIC, PLEASE: ALIGNING USER COMMENTS TO THE CONTENT OF A NEWS ARTICLE (FULL PAPER)**

**JUMANAH ALSHEHRI, MARIJA STANOJEVIC, EDUARD DRAGUT, ZORAN OBRADOVIC**

**A TRANSPARENT LOGICAL FRAMEWORK FOR ASPECT-ORIENTED PRODUCT RANKING BASED ON USER REVIEWS (FULL PAPER)**

**FIRAS SABBABH, NORBERT FUHR**

**COFFEE BREAK**

4:15 PM-4:45 PM

**KEYNOTE**

**AHMED H. AWADALLAH: "LEARNING WITH LIMITED LABELED DATA: THE ROLE OF USER INTERACTIONS" (KAREN SPARCK JONES LECTURE) (CHAIR: JOCHEN LEIDNER)**

4:45 PM-6:00 PM

**ITALIAN COOKING LESSON FROM LUCCA #2**

6:00 PM-7:00 PM

MONDAY MARCH 31, MAIN CONFERENCE, DAY 3

**PANEL: OPEN ACCESS AND IR LITERATURE (CHAIR: DJOERD HIEMSTRA)**

9:00 AM-10:30 AM

**MAIN CONFERENCE**

**HASSINA ALIANE** DIRECTOR OF THE R&D LAB CERIST, ALGERIA

**RALF GERSTNER** SPRINGER

**MIN-YEN KAN** UNIVERSITY OF SINGAPORE

**HAIMING LIU** SENIOR UNIVERSITY OF BEDFORDSHIRE, UNITED KINGDOM

**JOAO MAGALHAES** UNIVERSIDADE NOVA DE LISBOA, PORTUGAL

**HUSSEIN SULEMAN** UNIVERSITY OF CAPE TOWN, SOUTH AFRICA

**MIN ZHANG** TSINGHUA UNIVERSITY, CHINA

**COFFEE BREAK**

10:30 AM-11:00 AM

**SESSION 7A: INFORMATION EXTRACTION AND KNOWLEDGE GRAPHS (CHAIR: KRISZTIAN BALOG)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**AN ARGUMENT EXTRACTION DECODER IN OPEN INFORMATION EXTRACTION (FULL PAPER)**

**YUCHENG LI, YAN YANG, QINMIN HU, CHENGCAI CHEN, LIANG HE**

**COREFERENCE RESOLUTION IN RESEARCH PAPERS FROM MULTIPLE DOMAINS (FULL PAPER)**

**ARTHUR BRACK, DANIEL MÜLLER, ANETT HOPPE, RALPH EWERTH**

**GCE: GLOBAL CONTEXTUAL INFORMATION FOR KNOWLEDGE GRAPH EMBEDDING (FULL PAPER)**

**CHEN WANG, JIANG ZHONG**

**PATTERN-AWARE AND NOISE-RESILIENT EMBEDDING MODELS (FULL PAPER)**

**MOJTABA NAYYERI, SAHAR VAHDATI, EMANUEL SALLINGER, MIRZA MOHTASHIM ALAM, HAMED SHARIAT YAZDI, JENS LEHMANN**

**SESSION 7B: TEXT GENERATION AND ANALYSIS (CHAIR: RICARDO CAMPOS)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**CONTENT SELECTION NETWORK FOR DOCUMENT-GROUNDED RETRIEVAL-BASED CHATBOTS (FULL PAPER)**

**YUTAO ZHU, JIAN-YUN NIE, KUN ZHOU, PAN DU, ZHICHENG DOU**

**CONSISTENCY AND COHERENCY ENHANCED STORY GENERATION (FULL PAPER)**

**WEI WANG, PIJI LI, HAI-TAO ZHENG**

**UTILIZING LOCAL TANGENT INFORMATION FOR WORD RE-EMBEDDING (FULL PAPER)**

**WENYU ZHAO, ZHOU DONG, LIN LI, JINJUN CHEN**

**AN EMPIRICAL COMPARISON OF WEB PAGE SEGMENTATION ALGORITHMS (REPRODUCIBILITY PAPER)**

**JOHANNES KIESEL, LARS MEYER, FLORIAN KNEIST, BENNO STEIN, WEBIS GROUP**

**SESSION 7C: DOMAIN-SPECIFIC IR (CHAIR: UDO KRUSCHWITZ)**

11:00 AM-1:00 PM

**MAIN CONFERENCE**

**TLS-COVID19: A NEW ANNOTATED CORPUS FOR TIMELINE SUMMARIZATION (FULL PAPER)**

**ALEXANDRE RIBEIRO, RICARDO CAMPOS, ALEXANDRE RIBEIRO, BRENDA SANTANA, ALÍPIO JORGE, ADAM JATOWT**

**JOINT AUTOREGRESSIVE AND GRAPH MODELS FOR SOFTWARE AND DEVELOPER SOCIAL NETWORKS (FULL PAPER)**

**RIMA HAZRA, HARDIK AGGARWAL, PAWAN GOYAL, ANIMESH MUKHERJEE, SOUMEN CHAKRABARTI**

**VALUATION OF STARTUPS: A MACHINE LEARNING PERSPECTIVE (FULL PAPER)**

**MARIIA GARKAVENKO, HAMID MIRISAEI, ERIC GAUSSIER, AGNÈS GUERRAZ, CÉDRIC LAGNIER**

**LUNCH BREAK AND VIRTUAL VISIT TO LUCCA**

1:00 PM-2:15 PM

**SESSION 8A: RECOMMENDATION ON THE WEB (CHAIR: MARIA MAISTRO)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**A ZERO ATTENTIVE RELEVANCE MATCHING NETWORK FOR REVIEW MODELING IN RECOMMENDATION (FULL PAPER)**

HANSI ZENG, ZHICHAO XU, QINGYAO AI

**MACHINE TRANSLATION CUSTOMIZATION VIA AUTOMATIC TRAINING DATA SELECTION FROM THE WEB (FULL PAPER)**

THUY VU, ALESSANDRO MOSCHITTI

**ASSESSING RANKING METRICS IN TOP-N RECOMMENDATION (IRJ PAPER)**

DANIEL VALCARCE, ALEJANDRO BELLOGÍN, JAVIER PARAPAR, PABLO CASTELLS

**EXPLODING TV SETS & DISAPPOINTING LAPTOPS: ARCHIVAL CONTENT SUGGESTION BY FINDING INTERESTING CONTENT FROM THE PAST (FULL PAPER)**

ADAM JATOWT, I-CHEN HUNG, MICHAEL FÄRBER, RICARDO CAMPOS, MASATOSHI YOSHIKAWA

**SESSION 8B: PASSAGE RANKING AND CLASSIFICATION (CHAIR: JAAP KAMPS)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**A PASSAGE-BASED APPROACH TO LEARNING TO RANK DOCUMENTS (IRJ PAPER)**

EILON SHEETRIT, ANNA SHTOK, OREN KURLAND

**MITIGATING THE POSITION BIAS OF TRANSFORMER MODELS IN PASSAGE RE-RANKING (FULL PAPER)**

SEBASTIAN HOFSTÄTTER, ALDO LIPANI, SOPHIA ALTHAMMER, MARKUS ZLABINGER, ALLAN HANBURY

**CLASSIFYING SCIENTIFIC PUBLICATIONS WITH BERT - IS SELF-ATTENTION A FEATURE SELECTION METHOD? (FULL PAPER)**

ANDRÉS GARCÍA-SILVA, JOSE MANUEL GOMEZ-PEREZ

**SESSION 8C: CLEF LAB DESCRIPTIONS 2 (SESSION CHAIR: ALBERTO BARRON CEDEÑO)**

2:15 PM-4:15 PM

**MAIN CONFERENCE**

**TEXT SIMPLIFICATION FOR SCIENTIFIC INFORMATION ACCESS: CLEF 2021 SIMPLETEXT WORKSHOP**

LIANA ERMAKOVA, PATRICE BELLOT, PAVEL BRASLAVSKI, JAAP KAMPS, JOSIANE MOTHE, DIANA NURBAKOVA, IRINA OVCHINNIKOV, ERIC SANJUAN

**CLEF eHEALTH EVALUATION LAB 2021**

LORRAINE GOEURIOT, HANNA SUOMINEN, LIADH KELLY, LAURA ALONSO ALEMANY, NICOLA BREW-SAM, VIVIANA COTIK, DARIO FILIPPO, GABRIELA GONZÁLEZ, FRANCO LUQUE, PHILIPPE MULHEM, GABRIELLA PASI, ROLAND ROLLER, SANDARU SENEVIRATNE, JORGE VIVALDI, MARCO VIVIANI, CHENCHEN XU

**LIFECLEF 2021: BIODIVERSITY IDENTIFICATION AND PREDICTION CHALLENGES**

HERVÉ GOËAU, ALEXIS JOLY

**LIVING LAB EVALUATION FOR LIFE AND SOCIAL SCIENCES SEARCH PLATFORMS - LILAS AT CLEF 2021**

PHILIPP SCHAER, JOHANN SCHAIBLE, LEYLA GARCIA

**BioASQ AT CLEF2021: LARGE-SCALE BIOMEDICAL SEMANTIC INDEXING AND QUESTION ANSWERING**

ANASTASIA KRITHARA, ANASTASIOS NENTIDIS, GEORGIOS PALIOURAS, MARTIN KRALLINGER, ANTONIO MIRANDA

**ADVANCING MATH-AWARE SEARCH: THE ARQMATH-2 LAB AT CLEF 2021**

BEHROOZ MANSOURI, ANURAG AGARWAL, DOUGLAS OARD, RICHARD ZANIBBI

**COFFEE BREAK**

4:15 PM-4:45 PM

**KEYNOTE**

**OPHIR FRIEDER: "UNTRADITIONAL MEDICINE" (CHAIR: IADH OUNIS)**

4:45 PM-6:00 PM

**AWARDS CEREMONY, CONFERENCE CLOSING, & HANDOVER TO ECIR 2022**

6:00 PM-6:30 PM

**CHAT OVER BEERS**

6:30 PM-7:00 PM

## MONDAY APRIL 1, WORKSHOPS AND INDUSTRY DAY

### INDUSTRY DAY

9:30 AM-5:45 PM

#### INDUSTRY DAY

##### KEYNOTE

#### SEARCH AND DISCOVERY FOR FINANCE, IN PRACTICE

EDGAR MEIJ

#### DIGITAL HEALTHCARE: CUTTING THE LINES IN THE ERs AND HEALTHCARE SYSTEMS

KIRA RADINSKY

#### HOW JINA SAVES YOUR TIME ON BUILDING DECENTRALIZED NEURAL SEARCH SYSTEMS

HAN XIAO, ALEX CURETON-GRIFFITHS, BO WANG, JOAN FONTANALS MARTÍNEZ, RUTUJA SURVE

#### INFORMATION RETRIEVAL CHALLENGES AT AMAZON BOOKS

HUGO ZARAGOZA

#### SYNERISE MULTIMODAL CUSTOMER-CLASS DATA PLATFORM: GENERATING EFFICIENT AND ACCURATE RECOMMENDATIONS FOR BUSINESS

SERGIY TKACHUK, ANNA WRÓBLEWSKA, SYLWIA SYSKO-ROMAŃCZUK, PIOTR ZABOREK

##### KEYNOTE

#### GEOMETRIC DEEP LEARNING: FROM EUCLID TO DRUG DESIGN

MICHAEL BRONSTEIN

#### PROTECTING SENSITIVE TEXT WITH DIFFERENTIAL PRIVACY

SAM FLETCHER

#### PRACTICAL SUCCINCT DATA STRUCTURES

SEBASTIANO VIGNA

#### RETRIEVAL-AUGMENTED GENERATION FOR KNOWLEDGE-INTENSIVE NLP TASKS

ALEKSANDRA PIKTUS

#### MAILBOX UNBOXING: LEARNINGS IN HOW PEOPLE CONSUME AND REACT TO THEIR EMAILS

CHIA-JUNG LEE

### BIAS: 2ND INTERNATIONAL WORKSHOP ON ALGORITHMIC BIAS IN SEARCH AND RECOMMENDATION

9:00 AM-4:30 PM

#### WORKSHOP

### BIR: 11TH INTERNATIONAL WORKSHOP ON BIBLIOMETRIC-ENHANCED INFORMATION RETRIEVAL

9:00 AM-6:00 PM

#### WORKSHOP

### MICROS: 1ST WORKSHOP ON MIXED-INITIATIVE CONVERSATIONAL SYSTEMS

9:00 AM-6:15 PM

#### WORKSHOP

### TEXT2STORY: 4TH INTERNATIONAL WORKSHOP ON NARRATIVE EXTRACTION FROM TEXTS

9:00 AM-6:15 PM

#### WORKSHOP

### ROMCIR: REDUCING ONLINE MISINFORMATION THROUGH CREDIBLE INFORMATION RETRIEVAL

9:30 AM-4:15 PM

#### WORKSHOP