

Proceedings of the 13th NTCIR Conference on Evaluation of Information Access Technologies December 5-8, 2017 Tokyo Japan

Table of Contents

Preface from NTCIR-13 General Chairs	i
<i>Charles L. A. Clarke, Noriko Kando, and Tetsuya Sakai</i>	

Keynote

The Practice of Crowdsourcing: Things to Know about Using Humans and Machines for Labeling	iii
<i>Omar Alonso</i>	

Invited Talks

NTCIR from the Beginning: A Personal Research Journey	iv
<i>Fredric C Gey</i>	
NTCIR in the World: Two Decades of Impact	v
<i>Douglas W. Oard</i>	
New Tracks for TREC 2018	vi
<i>Ian Soboroff</i>	
CLEF 2018: Evaluation Labs, Conference, and Initiative	vii
<i>Nicola Ferro</i>	

Overview

Overview of NTCIR-13	1
<i>Makoto P. Kato and Yiqun Liu</i>	

Lifelog-2

Overview of NTCIR-13 Lifelog-2 Task	6
<i>Cathal Gurrin, Hideo Joho, Frank Hopfgartner, Liting Zhou, Duc-Tien Dang-Nguyen, Rashmi Gupta and Rami Albatal</i>	
PBG at the NTCIR-13 Lifelog-2 LAT, LSAT, and LEST Tasks	12
<i>Shuhei Yamamoto, Takuya Nishimura, Yasunori Akagi, Yoshiaki Takimoto, Takafumi Inoue and Hiroyuki Toda</i>	
THIR2 at the NTCIR-13 Lifelog-2 Task: Bridging Technology and Psychology through the Lifelog Personality, Mood and Sleep Quality	20
<i>Pouneh Soleimaninejadian, Yewen Wang, Haoyue Tong, Zehui Feng, Min Zhang, Yiqun Liu and Shaoping Ma</i>	

VCI2R at the NTCIR-13 Lifelog-2 Lifelog Semantic Access Task.....	28
<i>Jie Lin, Ana Garcia Del Molino, Qianli Xu, Fen Fang, Vigneshwaran Subbaraju, Joo-Hwee Lim, Liyuan Li and Vijay Chandrasekhar</i>	
Visualizing Personal Lifelog Data for Deeper Insights at the NTCIR-13 Lifelog-2 Task	33
<i>Qianli Xu, Vigneshwaran Subbaraju, Ana Garcia Del Molino, Jie Lin, Fen Fang, Joo-Hwee Lim, Liyuan Li and Vijay Chandrasekhar</i>	

MedWeb

Overview of the NTCIR-13: MedWeb Task	40
<i>Shoko Wakamiya, Mizuki Morita, Yoshinobu Kano, Tomoko Ohkuma and Eiji Aramaki</i>	
Keyword-based Challenges at the NTCIR-13 MedWeb.....	50
<i>Mamoru Sakai and Hiroki Tanioka</i>	
AKBL at the NTCIR-13 MedWeb Task	52
<i>Reine Asakawa and Tomoyoshi Akiba</i>	
NTCIR13 MedWeb Task: multi-label classification of tweets using an ensemble of neural networks	56
<i>Hayate Iso, Camille Ruiz, Taichi Murayama, Katsuya Taguchi, Ryo Takeuchi, Hideya Yamamoto, Shoko Wakamiya and Eiji Aramaki</i>	
Classification of Tweet Posters for Diseases by Combined Rule-Based and Machine Learning Method in NTCIR-13: MedWeb Twitter Task (Japanese Subtask)	62
<i>Masahito Sakishita and Yoshinobu Kano</i>	
UE and Nikon at the NTCIR-13 MedWeb Task.....	65
<i>Anh Hang Nga Tran, Hiroko Kobayashi, Yu Sawai and Paulo Quaresma</i>	
Principle Base Approach for Classifying Tweets with Flu-related Information in NTCIR-13 MedWeb Task	71
<i>Josan Wei-San Lin, Hong-Jie Dai and Joni Yu-Hsuan Shao</i>	
NIL: Using scoring to analyse the ambiguous messages on the NTCIR-13 MedWeb task ...	74
<i>Masao Ito</i>	
Medweb Task: Identify Multi-Symptoms from Tweets Based on Active Learning and Semantic Information	75
<i>Chao Li, Kang Xin and Fuji Ren</i>	
DrG at NTCIR-13: MedWeb Task	81
<i>Kazui Morita and Takagi Toshihisa</i>	

OpenLiveQ

Overview of the NTCIR-13 OpenLiveQ Task	85
<i>Makoto P. Kato, Takehiro Yamamoto, Tomohiro Manabe, Akiomi Nishida and Sumio Fujita</i>	
YJRS at the NTCIR-13 OpenLiveQ Task	91
<i>Tomohiro Manabe, Akiomi Nishida and Sumio Fujita</i>	

Erler at the NTCIR-13 OpenLiveQ Task	97
<i>Ming Chen, Lin Li, Yueqing Sun and Jie Zhang</i>	
SLOLQ at the NTCIR-13 OpenLiveQ Task.....	101
<i>Ryo Kashimura and Tetsuya Sakai</i>	
TUA1 at the NTCIR-13 OpenLiveQ Task	105
<i>Mengjia He, Xin Kang and Fuji Ren</i>	
OKSAT at NTCIR-13 OpenLiveQ Task	108
<i>Takashi Sato</i>	

QALab-3

Overview of the NTCIR-13 QA Lab-3 Task.....	112
<i>Hideyuki Shibuki, Kotaro Sakamoto, Madoka Ishioroshi, Yoshinobu Kano, Teruko Mitamura, Tatsunori Mori and Noriko Kando</i>	
HagiwaraLab at the NTCIR-13 QALab-3 Task	129
<i>Yuanzhi Ke and Masafumi Hagiwara</i>	
KSU Team's QA System for World History Exams at the NTCIR-13 QA Lab-3 Task	135
<i>Tasuku Kimura, Ryo Tagami and Hisashi Miyamori</i>	
SLQAL at the NTCIR-13 QA Lab-3 Task	143
<i>Kou Sato and Tetsuya Sakai</i>	
ATA2: A Question Answering System at NTCIR-13 QALab-3	146
<i>Tao-Hsing Chang, Yu-Sheng Tsai, Chih-Li Tsai and Pei-Xuan Cai</i>	
Rubric-based Automated Japanese Short-answer Scoring and Support System Applied to QALab-3.....	152
<i>Tsunenori Ishioka, Kohei Yamaguchi and Tsuneori Mine</i>	
IMTKU Question Answering System for World History Exams at NTCIR-13 QA Lab-3...	159
<i>Min-Yuh Day, Chao-Yu Chen, Wan-Chu Huang, I-Hsuan Huang, Shi-Ya Zheng, Tz-Rung Chen, Min-Chun Kuo, Yue-Da Lin and Yi-Jing Lin</i>	
DGLab Question Answering System and Automatic Evaluation Method at NTCIR-13 QA Lab-3 for University Entrance Exam on World History Essay.....	166
<i>Mike Tian-Jian Jiang</i>	
SML Question-Answering System for World History Essay Exams at NTCIR-13 QALab-3	171
<i>Yusuke Doi, Takuma Takada, Takuya Matsuzaki and Satoshi Sato</i>	
MTMT in QALab-3: World History Essay Question Answering System that Utilizes Textbooks and Open Knowledge Bases	175
<i>Takaaki Matsumoto and Teruko Mitamura</i>	
CMUQA in QALab-3: Essay Question Answering for University Entrance Exams.....	182
<i>Fadi Botros, Francesco Ciannella, Takaaki Matsumoto, Evan Chan, Cheng-Ta Chung, Lucas Bengtson, Keyang Xu, Tian Tian and Teruko Mitamura</i>	

Forst: Question Answering System for Second-stage Examinations at NTCIR-13 QA Lab-3 Task	190
---	-----

*Kotaro Sakamoto, Madoka Ishioroshi, Yuta Fukuwara, Akihiro Iizuka, Hideyuki
Shibuki, Tatsunori Mori and Noriko Kando*

STC-2

Overview of the NTCIR-13 Short Text Conversation Task	194
<i>Lifeng Shang, Tetsuya Sakai, Hang Li, Ryuichiro Higashinaka, Yusuke Miyao, Yuki Arase and Masako Nomoto</i>	
TUA1 at NTCIR-13 Short Text Conversation 2 Task	211
<i>Yunong Wu, Xin Kang, Kenji Kita and Fuji Ren</i>	
Nders at NTCIR-13 Short Text Conversation 2 Task	215
<i>Han Ni, Liansheng Lin and Ge Xu</i>	
YJTI at the NTCIR-13 STC Japanese Subtask	223
<i>Toru Shimizu</i>	
SLSTC at the NTCIR-13 STC Task	231
<i>Jun Guan and Tetsuya Sakai</i>	
Beihang at the NTCIR-13 STC-2 Task	233
<i>Dejian Yang, Yu Wu, Zhoujun Li, Wei Wu and Can Xu</i>	
SRCB at the NTCIR-13 STC-2 Task	237
<i>Yihan Li, Shanshan Jiang, Lei Ding, Yixuan Tong and Bin Dong</i>	
RUCIR at the NTCIR-13 STC-2 Task	241
<i>Yutao Zhu, Zhicheng Dou, Xiangbo Wang, Xiaochen Zuo, Shuqi Lu, Zhengyi Ma and Xinyi Zhang</i>	
Response Generation for Grounding in Communication at NTCIR-13 STC Japanese Subtask	246
<i>Hiroki Tanioka</i>	
KSU Teams Dialogue System at the NTCIR-13 Short Text Conversation Task 2	248
<i>Yoichi Ishibashi, Sho Sugimoto and Hisashi Miyamori</i>	
KIT Dialogue System for NTCIR-13 STC Japanese Subtask	257
<i>Hiroshi Nakatani, Shigenori Nishiumi, Takahiro Maeda and Masahiro Araki</i>	
WUST System at NTCIR-13 Short Text Conversation Task	265
<i>Maofu Liu, Yifan Guo, Yan Yu and Han Ren</i>	
Gbot at the NTCIR-13 STC-2 Task	268
<i>Hainan Zhang, Tonglei Guo, Yanyan Lan, Jiafeng Guo, Jianing Li and Xueqi Cheng</i>	
Microsoft Research Asia at the NTCIR-13 STC-2 Task	273
<i>Zhongxia Chen, Hongyan Huang, Dinglong Li, Ruihua Song and Xing Xie</i>	
CIAL System at the NTCIR-13 STC-2 Task	279
<i>Yung-Chun Chang, Yu-Lun Hsieh and Wenlian Hsu</i>	

SG01 at the NTCIR-13 STC-2 Task.....	282
<i>Haizhou Zhao, Yi Du, Hangyu Li, Qiao Qian, Hao Zhou, Minlie Huang and Jingfang Xu</i>	
CYUT-III Short Text Conversation System at NTCIR-13 STC-2 Task	289
<i>Shih-Hung Wu, Wen-Feng Shih, Che-Cheng Yu, Liang-Pu Chen and Ping-Che Yang</i>	
Report for Japanese subtask for NTCIR-13 STC-2 from mnmlb	295
<i>Sotaro Takeshita, Ryuji Tamaki, Yasuhiro Minami, Takeru Kazama and Masato Nakamura</i>	
UB at the NTCIR-13 STC-2 Task: Exploring Syntactic Similarities and Sentiments.....	301
<i>Jianqiang Wang</i>	
WIDM at NTCIR-13 STC-2.....	308
<i>Yu-Han Chen, Sbastien Montella, Wei-Han Chen and Chia-Hui Chang</i>	
splab at the NTCIR-13 STC-2 Task	313
<i>Xuan Liu, Xueyang Wu, Ruinian Chen, Zijian Zhao, Hongtao Lin and Kai Yu</i>	
DeepIntell at the NTCIR-13 STC-2 Task	317
<i>Chunyue Zhang, Dongdong Li and Huaxing Shi</i>	
BUPTTeam at the NTCIR-13 STC-2 Task	321
<i>Songbo Han, Hao Zhu and Yongmei Tan</i>	
CKIP at the NTCIR-13 STC-2 Task	325
<i>Wei-Yun Ma, Chien-Hui Tseng and Yu-Sheng Li</i>	
Contextual and Feature-based Models by PolyU Team at the NTCIR-13 STC-2 Task	331
<i>Yanran Li, Hui Su and Wenjie Li</i>	
iNLP at the NTCIR-13 STC-2 Task.....	335
<i>Long Qiu, Jingang Wang, Sheng Li, Junfeng Tian and Jun Lang</i>	

AKG

Overview of NTCIR-13 Actionable Knowledge Graph (AKG) Task	340
<i>Roi Blanco, Hideo Joho, Adam Jatowt, Hai-Tao Yu and Shuhei Yamamoto</i>	
TUA1 at the NTCIR-13 Actionable Knowledge Graph Task: Sampling Related Actions from Online Searching.....	346
<i>Xin Kang, Yunong Wu and Fuji Ren</i>	
CUIS Team for NTCIR-13 AKG Task	354
<i>Xinshi Lin, Wai Lam and Shubham Sharma</i>	
TLAB at the NTCIR-13 AKG Task.....	357
<i>Md Mostafizur Rahman and Atsuhiro Takasu</i>	

ECA

Overview of NTCIR-13 ECA Task.....	361
<i>Qinghong Gao, Hu Jiannan, Xu Ruifeng, Gui Lin, Yulan He, Kam-Fai Wong and Qin Lu</i>	

WUST CRF-Based System at NTCIR-13 ECA Task.....	367
<i>Maofu Liu, Linxu Xia, Zhenlian Zhang and Yang Fu</i>	
Decision Tree Method for the NTCIR-13 ECA Task	371
<i>Xiangju Li, Shi Feng, Daling Wang and Yifei Zhang</i>	
The GDUFS System in NTCIR-13 ECA Task	375
<i>Han Ren, Yafeng Ren and Jing Wan</i>	

NAILS

Overview of NTCIR-13 NAILS Task	380
<i>Graham Healy, Tomas Ward, Cathal Gurrin and Alan Smeaton</i>	
Ensemble Methods for the NTCIR-13 NAILS Task	384
<i>Holly Hutson, Shlomo Geva and Philipp Cimiano</i>	
Deep Learning Approaches for P300 Classification in Image Triage: Applications to the NAILS Task	389
<i>Amelia Solon, Stephen Gordon, Brent Lance and Vernon Lawhern</i>	

WWW

Overview of the NTCIR-13 We Want Web Task	394
<i>Cheng Luo, Tetsuya Sakai, Yiqun Liu, Zhicheng Dou, Chenyan Xiong and Jingfang Xu</i>	
RMIT at the NTCIR-13 We Want Web Task.....	402
<i>Luke Gallagher, Joel Mackenzie, Rodger Benham, Ruey-Cheng Chen, Falk Scholer and J. Shane Culpepper</i>	
RUCIR at NTCIR-13 WWW Task	407
<i>Ming Yue and Zhicheng Dou</i>	
THUIR at NTCIR-13 WWW Task	412
<i>Yukun Zheng, Cheng Luo, Weixuan Wu, Jia Chen, Yiqun Liu, Huanbo Luan, Min Zhang and Shaoping Ma</i>	
An Evaluation of the Kernel Based Neural Ranking Model in NTCIR-13 WWW	416
<i>Zhuyun Dai, Chenyan Xiong and Jamie Callan</i>	
SLWWW at the NTCIR-13 WWW Task	419
<i>Peng Xiao, Lingtao Li, Yimeng Fan and Tetsuya Sakai</i>	