

Pre-meeting Introduction: Tuesday, June 1, 2004 <National Center of Science (NCS)>

- 17:00-19:30 **Registration <Entrance Lobby>**
17:30-19:30 **Pre-meeting Lecture : Introduction to NTCIR (Tutorial on IR, Summarization, QA evaluation) In Japanese <Hitotsubashi Memorial Hall>**
Chair: Koji Eguchi (*National Institute of Informatics*)
- 17:30-17:40
Introduction to NTCIR: Its Background and Purposes
Noriko Kando (*National Institute of Informatics*)
- 17:40-18:30
Information Retrieval Evaluation for Various Languages and Document Genres at NTCIR Workshop
Noriko Kando (*National Institute of Informatics*), Koji Eguchi (*National Institute of Informatics*) and Atsushi Fujii (*University of Tsukuba*)
- 18:30-19:00
Question Answering Challenge - QAC2 -
Tsuneaki Kato (*The University of Tokyo*), Jun'ichi Fukumoto (*Ritsumeikan University*) and Fumito Masui (*Mie University*)
- 19:00-19:30
Text Summarization Challenge - Text Summarization Evaluation in Japan -
Tsutomu Hirao (*NTT Communication Science Laboratories*)

DAY 1: Wednesday, June 2, 2004 <National Center of Science (NCS)>

- 9:00-17:30 **Registration <Hitotsubashi Memorial Hall Lobby>**
9:00- 9:30 **Light Refreshment**
9:30 **Meeting Start**
9:30-10:30 **Overview of the NTCIR Workshop 4 <Hitotsubashi Memorial Hall>**
Noriko Kando (*National Institute of Informatics*)
- 10:30-10:45 **Coffee**
10:45-12:35 **Session 1: CLIR <Hitotsubashi Memorial Hall>**
Chair: Sung Hyon Myaeng (*Information & Communications University*)
- 10:45-11:15
Overview of CLIR Task at the Fourth NTCIR Workshop
Kazuaki Kishida, Kuang-hua Chen, Sukhoon Lee, Kazuko Kuriyama, Noriko Kando, Hsin-Hsi Chen, Sung Hyon Myaeng and Koji Eguchi
- 11:15-11:35
RMIT Chinese-English CLIR at NTCIR-4
Ying Zhang and Phil Vines
- 11:35-11:55
Toshiba BRIDJE at NTCIR-4 CLIR: Monolingual/Bilingual IR and Flexible Feedback
Tetsuya Sakai, Makoto Koyama, Akira Kumano and Toshihiko Manabe
- 11:55-12:15
POSTECH at NTCIR-4: CJKE Monolingual and Korean-related Cross-Language Retrieval Experiments
In-Su Kang, Seung-Hoon Na and Jong-Hyeok Lee
- 12:15-12:35
Justsystem-Clairvoyance CLIR Experiments at NTCIR-4 Workshop
Yan Qu, Gregory Grefenstette, David A. Hull, David A. Evans, Toshiya Ueda, Tatsuo Kato, Daisuke Noda, Noda, Motoko Ishikawa, Setsuko Nara and Kousaku Arita
- 12:35-13:30 **Lunch**
13:30-15:20 **Session 2: TSC <Hitotsubashi Memorial Hall>**
Chair: Hidetsugu Nanba (*Hiroshima City University*)
- 13:30-14:00
Text Summarization Challenge 3 - Text summarization evaluation at NTCIR Workshop 4 -
Tsutomu Hirao, Manabu Okumura, Takahiro Fukushima and Hidetsugu Nanba

- 14:00-14:20
Multi-Document Summarization in Cross-Language Text
Jung-Min Lim, In-Su Kang and Jong-Hyeok Lee
- 14:20-14:40
Multi-Document Summarization Using a Question-Answering Engine - Yokohama National University at TSC3 -
Tatsunori Mori, Masanori Nozawa and Yoshiaki Asada
- 14:40-15:00
TISS: An Integrated Summarization System for TSC-3
Naoaki Okazaki, Yutaka Matsuo and Mitsuru Ishizuka
- 15:00-15:20
User-focused Multi-document Summarization with Paragraph Clustering and Sentence-type Filtering
Yohei Seki, Koji Eguchi and Noriko Kando
- 15:20-15:40 **Coffee**
15:40-17:40 **Session 3: OPEN SUBMISSION <Hitotsubashi Memorial Hall>**
Chair: Keita Tsuji (*National Institute of Informatics*)
- 15:40-16:10 [Main Talk]
Looking for a Few Good Metrics: ROUGE and its Evaluation
Chin-Yew Lin
- 16:10-16:40
Evaluating ADM on a Three-level Relevance Scale Document Set from NTCIR
Vincenzo Della Mea, Luca Di Gaspero and Stefano Mizzaro
- 16:40-17:00
New Performance Metrics based on Multigrade Relevance: Their Application to Question Answering
Tetsuya Sakai
- 17:00-17:20
Towards Innovative Evaluation Methodologies for Speech Translation
Michael Paul, Hiromi Nakaiwa and Marcello Federico
- 17:20-17:40
Aligning Patent Claims with Detailed Descriptions for Readability
Akihiro Shinmori and Manabu Okumura
- 18:00-20:00 **Buffet Dinner <Mid-conference Hall 1.2.3.4>**
Welcome Jun Adachi (*National Institute of Informatics*)

DAY 2: Thursday, June 3, 2004 <National Center of Science (NCS)>

- 9:00-17:30 **Registration <Hitotsubashi Memorial Hall Lobby>**
9:00- 9:20 **Light Refreshment**
9:20-10:45 **Session 4: QAC1 <Hitotsubashi Memorial Hall>**
Chair: Jun'ichi Fukumoto (*Ritsumeikan University*)
- 9:20-9:40
Question Answering Challenge for Five ranked answers and List answers
- Overview of NTCIR4 QAC2 Subtask 1 and 2 -
Jun'ichi Fukumoto, Tsuneaki Kato and Fumito Masui
- 9:40-9:55
Question Answering Challenge for Information Access Dialogue
- Overview of NTCIR4 QAC2 Subtask 3 -
Tsuneaki Kato, Jun'ichi Fukumoto and Fumito Masui
- 9:55-10:20
NTT's Question Answering System for NTCIR QAC2
Hideki Isozaki
- 10:20-10:45
Japanese Q/A System using A* Search and Its Improvement
- Yokohama National University at QAC2 -
Tatsunori Mori
- 10:45-11:05 **Coffee**

- 11:05-12:20 **Session 5: QAC2 <Hitotsubashi Memorial Hall>**
Chair: Tsuneaki Kato (*The University of Tokyo*)
11:05-11:30
Question Answering using "Common Sense" and Utility Maximization Principle
Tomoyosi Akiba, Katunobu Itou and Atsushi Fujii
11:30-11:55
Rits-QA: List answer detection and Context task with ellipses handling
Jun'ichi Fukumoto, Tatsuhiro Niwa, Makoto Itoigawa and Megumi Matsuda
11:55-12:20
NTCIR-4 QAC Experiments at Matsushita
Masako Nomoto, Yoshio Fukushima, Mitsuhiro Sato and Hiroyuki Suzuki
- 12:20-13:00 **Boasting (short presentation for DP) <Hitotsubashi Memorial Hall>**
Chair: Fumito Masui (*Mie University*)
- 13:00-15:30 **Lunch & Digital Poster Session 1 <Mid-conference Hall 1.2.3.4>**
QAC
Question Answering using "Common Sense" and Utility Maximization Principle
Tomoyosi Akiba, Katunobu Itou and Atsushi Fujii
Ok! QA System for QAC-2
Masachika Fuchigami, Hiroyuki Ohnuma and Atsushi Ikeno
Rits-QA: List answer detection and Context task with ellipses handling
Jun'ichi Fukumoto, Tatsuhiro Niwa, Makoto Itoigawa and Megumi Matsuda
MAIQA: Mie Univ. Participated System at NTCIR4 QAC2
Naoya Hidaka, Fumito Masui and Keiko Tosaki
Question Answering System using Concept-based Vector Space Model
Irami Ismail and Takashi Yukawa
NTT's Question Answering System for NTCIR QAC2
Hideki Isozaki
Question Answering System with a vector similarity scoring method
Takuya Kosugi, Hiroya Susuki, Hiroyuki Okamoto and Hiroaki Saito
GDQA: Graph Driven Question Answering System - NTCIR-4 QAC2 Experiments -
Gakuto Kurata, Naoaki Okazaki and Mitsuru Ishizuka
Japanese Q/A System using A* Search and Its Improvement - Yokohama National University at QAC2 -
Tatsunori Mori
Japanese Question-Answering System Using Decreased Adding with Multiple Answers
Masaki Murata, Masao Utiyama and Hitoshi Isahara
POSTECH Question-Answering Experiments at NTCIR-4 QAC
Seung-Hoon Na, In-Su Kang and Jong-Hyeok Lee
Question Answering System QUARK
Yasuo Nii, Keizo Kawata, Tatsumi Yoshida, Hiroyuki Sakai and Shigeru Masuyama
NTCIR-4 QAC Experiments at Matsushita
Masako Nomoto, Yoshio Fukushima, Mitsuhiro Sato and Hiroyuki Suzuki
Finding Relevant Answers in Question Answering System Contest
David R. Ramamonjisoa
Toshiba ASKMi at NTCIR-4 QAC2
Tetsuya Sakai, Yoshimi Saito, Yumi Ichimura, Makoto Koyama and Tomoharu Kokubu
NYU/CRL QA System for QAC-2
Satoshi Sekine, Kiyoshi Sudo, Yusuke Shinyama, Chikashi Nobata, Kiyotaka Uchimoto and Hitoshi Isahara
NAIST QA System for QAC2
Tetsuro Takahashi, Kozo Nawata, Kentaro Inui and Yuji Matsumoto
NTT DATA Question-Answering Experiment at the NTCIR-4 QAC2
Toru Takaki
- WEB**
Web Searching Using Term Entropy and Query Independent Importance in NTCIR-4 Web Task
Yinghui Xu and Kyoji Umemura
Study on the Combination of Probabilistic and Boolean IR Models for WWW Documents Retrieval
Masaharu Yoshioka and Makoto Haraguchi
R²D² at NTCIR-4 Web Retrieval Task
Teruhito Kanazawa, Tomonari Masada, Atsuhiko Takasu and Jun Adachi
NTCIR-4 WEB Experiments at Osaka Kyoiku University - Static/Dynamic Scoring Using Link Structure
Analysis and Web Page Grouping -
Hitoshi Nakakubo, Peng Zhang and Takashi Sato

- Experiments on Web Retrieval Driven by Spontaneously Spoken Queries
Tomoyosi Akiba, Atsushi Fujii, Katunobu Itou and Tetsuya Ishikawa
Navigation Retrieval with Site Anchor Text
Hideki Kawai, Kenji Tateishi and Toshikazu Fukushima
Preliminary Workshop on Evaluation of Geographic Information Retrieval Systems for Web Documents
Masatoshi Arikawa, Takeshi Sagara, Kouzou Noaki and Hideyuki Fujita
Overlapping Clustering Method Using Local and Global Importance of Feature Terms at NTCIR-4 Web Task
Manabu Ohta, Hirokazu Narita and Shigeyoshi Ohno
A Web Search Result Classification System based on the degree of Suitability for Specialists
Masanobu Tsuruta, Yoshiyuki Umemura, Hiroyuki Sakai and Shigeru Masuyama
Giving an Upperbound of the Number of Clusters and Relevant Words in Hierarchical Document Clustering
based on BIC
Yoshio Fukushima
Web Document Clustering using Threshold Selection Partitioning
Minoru Sasaki and Hiroyuki Shinnou
Document Clustering at NTCIR-4 Workshop: Limiting Search Space of the K-means method using Word
Occurrence
Yuji Kaneda, Naonori Ueda and Kazumi Saito
- 15:30-15:50 **Coffee**
- 15:50-17:40 **Session 6: WEB <Hitotsubashi Memorial Hall>**
Chair: Keizo Oyama (*National Institute of Informatics*)
15:50-16:20
Overview of WEB Task at NTCIR-4
Koji Eguchi, Keizo Oyama, Akiko Aizawa and Haruko Ishikawa
16:20-16:40
Web Searching Using Term Entropy and Query Independent Importance in NTCIR-4 Web Task
Yinghui Xu and Kyoji Umemura
16:40-17:00
Study on the Combination of Probabilistic and Boolean IR Models for WWW Documents Retrieval
Masaharu Yoshioka and Makoto Haraguchi
17:00-17:20
Navigation Retrieval with Site Anchor Text
Hideki Kawai, Kenji Tateishi and Toshikazu Fukushima
17:20-17:40
Overlapping Clustering Method Using Local and Global Importance of Feature Terms at NTCIR-4 Web Task
Manabu Ohta, Hirokazu Narita and Shigeyoshi Ohno

DAY 3: Friday, June 4, 2004
<National Center of Science (NCS)>

- 9:00-17:30 **Registration <Hitotsubashi Memorial Hall Lobby>**
- 9:00- 9:20 **Light Refreshment**
- 9:20-11:00 **Session 7: CLIR2 <Hitotsubashi Memorial Hall>**
Chair: Kuang-Hua Chen (*National Taiwan University*)
9:20-9:40
Pseudo-Relevance Feedback and Title Re-ranking for Chinese Information Retrieval
Robert W. P. Luk and K.F. Wong
9:40-10:00
Chinese Information Retrieval Based on Terms and Ontology
Yang Lingpeng, Ji Donghong and Tang Li
10:00-10:20
Thomson Legal and Regulatory at NTCIR-4: Monolingual and Pivot-language Retrieval Experiments
Isabelle Moulinier
10:20-10:40
Cross-Language IR at University of Tsukuba: Automatic Transliteration for Japanese, English, and Korean
Atsushi Fujii and Tetsuya Ishikawa
10:40-11:00
Report on CLIR Task for the NTCIR-4 Evaluation Campaign
Jacques Savoy

- 11:00-11:15 **Coffee**
- 11:15-13:05 **Session 8: PATENT <Hitotsubashi Memorial Hall>**
Chair: Makoto Iwayama (*Tokyo Institute of Technology / Hitachi Ltd.*)
- 11:15-11:45
Overview of Patent Retrieval Task at NTCIR-4
Atsushi Fujii, Makoto Iwayama and Noriko Kando
- 11:45-12:05
Two-Stage Patent Retrieval Method Considering Claim Structure
Hisao Mase, Tadataka Matsubayashi, Yuichi Ogawa, Makoto Iwayama and Tadaaki Oshio
- 12:05-12:25
Revisiting the Document Length Hypotheses - NTCIR-4 CLIR and Patent Experiments at Patolis
Sumio Fujita
- 12:25-12:45
Experiments on Patent Retrieval at NTCIR-4 Workshop
Hironori Takeuchi, Naohiko Uramoto and Koichi Takeda
- 12:45-13:05
Patent Map Generation using Concept-based Vector Space Model
Hideyuki Uchida, Atsushi Mano and Takashi Yukawa
- 13:05-15:30 **Lunch & Digital Poster Session 2 <Mid-conference Hall 1.2.3.4>**
- CLIR**
- RMIT Chinese-English CLIR at NTCIR-4
Ying Zhang and Phil Vines
- Toshiba BRIDJE at NTCIR-4 CLIR: Monolingual/Bilingual IR and Flexible Feedback
Tetsuya Sakai, Makoto Koyama, Akira Kumano and Toshihiko Manabe
- Global and Local Term Expansion for Text Retrieval
Yuen-Hsien Tseng, Da-Wei Juang and Shiu-Han Chen
- University of Chicago at NTCIR4 CLIR: Multi-scale Query Expansion
Gina-Anne Levow
- Richo in the NTCIR-4 CLIR Tasks
Yuichi Kojima and Hideo Itoh
- POSTECH at NTCIR-4: CJKE Monolingual and Korean-related Cross-Language Retrieval Experiments
In-Su Kang, Seung-Hoon Na and Jong-Hyeok Lee
- NTCIR-4 CLIR Experiments at Oki
Tetsuji Nakagawa and Mihoko Kitamura
- KUNLP System for NTCIR-4 Korean-English Cross-Language Information Retrieval
Hee-Cheol Seo, Sang-Bum Kim, Ho-Gun Lim and Hae-Chang Rim
- Applying Language Model into IR Task
Zhang Junlin, Sun Le, Zhang Yongchen and Sun Yutang
- Justsystem-Clairvoyance CLIR Experiments at NTCIR-4 Workshop
Yan Qu, Gregory Grefenstette, David A. Hull, David A. Evans, Toshiya Ueda, Tatsuo Kato, Daisuke Noda, Motoko Ishikawa, Setsuko Nara and Kousaku Arita
- CLIR using Web Directory at NTCIR4
Fuminori Kimura, Akira Maeda and Shunsuke Uemura
- Experiments with Decomposed Chinese, Japanese and Korean Words Parsed by Hummingbird SearchServer™ at NTCIR-4
Stephen Tomlinson
- Chinese Information Retrieval Based on Terms and Ontology
Yang Lingpeng, Ji Donghong and Tang Li
- Merging Multilingual Information Retrieval Results Based on Prediction of Retrieval Effectiveness
Wen-Cheng Lin and Hsin-Hsi Chen
- Revisiting the Document Length Hypotheses: NTCIR-4 CLIR and Patent Experiments at Patolis
Sumio Fujita
- Thomson Legal and Regulatory at NTCIR-4: Monolingual and Pivot-language Retrieval Experiments
Isabelle Moulinier
- Integration of PLSA into Probabilistic CLIR Model: Yokohama National University at NTCIR4 CLIR
Tetsu Muramatsu and Tatsunori Mori
- Applying Multiple Characteristics and Techniques to Obtain High Levels of Performance in Information Retrieval at NTCIR-4
Masaki Murata, Qing Ma and Hitoshi Isahara
- Report on CLIR Task for the NTCIR-4 Evaluation Campaign
Jacques Savoy

- NTCIR-4 Chinese, English, Korean Cross Language Retrieval Experiments Using PIRCS
K. L. Kwok, N. Dinstl and S. Choi
- Cross-Language IR at University of Tsukuba: Automatic Transliteration for Japanese, English, and Korean
Atsushi Fujii and Tetsuya Ishikawa
- Experiments on Chinese-English Cross-language Retrieval at NTCIR-4
Yilu Zhou, Jialun Qin, Michael Chau and Hsinchun Chen
- Pseudo-Relevance Feedback and Title Re-ranking for Chinese Information Retrieval
Robert W. P. Luk and K.F. Wong
- Chinese and Korean Topic Search of Japanese News Collections
Fredric C. Gey
- Prediction of Performance on Cross-lingual Information Retrieval by Regression Models
Kazuaki Kishida, Kazuko Kuriyama, Noriko Kando and Koji Eguchi

Patent

- Document Structure Analysis in Associative Patent Retrieval
Atsushi Fujii and Tetsuya Ishikawa
- Revisiting the Document Length Hypotheses - NTCIR-4 CLIR and Patent Experiments at Patolis
Sumio Fujita
- NTCIR-4 Patent Retrieval Experiments at RICOH
Hideo Itoh
- Invalidity Patent Search System of NTT DATA
Kazuya Konishi, Akira Kitauchi and Toru Takaki
- Two-Stage Patent Retrieval Method Considering Claim Structure
Hisao Mase, Tadataka Matsubayashi, Yuichi Ogawa, Makoto Iwayama and Tadaaki Oshio
- NTCIR-4 PATENT Experiments at Osaka Kyoiku University - Gram-based Passage Index and Essential Words -
Takashi Sato and Nao Hatta
- Can Claim Analysis Contribute toward Patent Map Generation?
Akihiro Shinmori, Manabu Okumura, Yuzo Marukawa and Makoto Iwayama
- Experiments on Patent Retrieval at NTCIR-4 Workshop
Hironori Takeuchi, Naohiko Uramoto and Koichi Takeda
- Patent Map Generation using Concept-based Vector Space Model
Hideyuki Uchida, Atsushi Mano and Takashi Yukawa

TSC

- Multi-document summarization using document set type classification
Jun'ichi Fukumoto and Tomoya Sugimura
- Multi-Document Summarization in Cross-Language Text
Jung-Min Lim, In-Su Kang and Jong-Hyeok Lee
- Multi-Document Summarization Using a Question-Answering Engine - Yokohama National University at TSC3 -
Tatsunori Mori, Masanori Nozawa and Yoshiaki Asada
- Comparison of feature usage at TSC-3 summarization tasks
Chikashi Nobata, Satoshi Sekine, Kiyotaka Uchimoto and Hitoshi Isahara
- TISS: An Integrated Summarization System for TSC-3
Naoaki Okazaki, Yutaka Matsuo and Mitsuru Ishizuka
- A Multiple-Document Summarization System introducing User Interaction for reflecting User's Summarization need
Hiroyuki Sakai and Shigeru Masuyama
- Query-based Multidocument Summarization for Information Retrieval
Toshihiko Sakurai and Akira Utsumi
- User-focused Multi-document Summarization with Paragraph Clustering and Sentence-type Filtering
Yohei Seki, Koji Eguchi and Noriko Kando
- Multiple News Articles Summarization based on Event Reference Information
Masaharu Yoshioka and Makoto Haraguchi

15:30-16:15 **Session 9: INVITED TALKS <Hitotsubashi Memorial Hall>**

Chair: Noriko Kando (*National Institute of Informatics*)

15:30 - 16:00

- A Tale of Two Evaluations: TREC and RIA
Donna Harman (*NIST, USA*)

16:00-16:15

- Cross-Language Evaluation Forum: From CLEF 2003 to CLEF 2004
Carol Peters (*CNR, Italy*), Martin Braschler (*Eurospider Information Technology AG, Switzerland*) and Jacques Savoy (*University of Neuchatel, Switzerland*)

16:15-16:45 **Wrap Up <Hitotsubashi Memorial Hall>**