Program

of the Fourth International Conference
on Webometrics, Informetrics and Scientometrics
&
Ninth COLLNET Meeting

28 July – 1 August, 2008, Berlin, Germany

Hosted by
Humboldt-Universität zu Berlin
Institute for Library and Information Science
and COLLNET, Germany

Version July 25, 2008

Welcome at Humboldt-Universität zu Berlin and Opening Session of the Conference
Monday, July 28, 2008 (6:00–9:45 p.m.)

Welcome and Opening Remarks (6:00–7:30 p.m.)
Chair: Hildrun Kretschmer (Germany, China)

- **Welcoming Remarks**
  Christoph Markschies, President of the Humboldt-University Berlin
- **Welcoming Remarks**
  Christof Rapp, Dekan of the Faculty of Arts and Humanities I
- **Welcoming Remarks**
  Michael Seadle, Director of the Institute of Library and Information Science
- **Opening Remarks**
  Hildrun Kretschmer (Germany, China), COLLNET Co-ordinator, Program Chair
- **Opening Remarks**
  Ronald Rousseau (Belgium)*,* President of the International Society for Scientometrics and Informetrics (ISSI)
- **Opening Remarks**
  Donald deB. Beaver (USA), Invited Keynote Speaker
- **Introduction:** COLLNET Journal of Scientometrics and Information Management
  Shabahat Husain (India), Chief-Editor
- **Introduction (Video):** 5th International Conference on Webometrics, Informetrics and Scientometrics & 10th COLLNET Meeting Dalian, China, 2009
  Zeyuan Liu (China), Local Organiser, Honorary Speaker
- **Introduction (Video):** 6th International Conference on Webometrics, Informetrics and Scientometrics & 11th COLLNET Meeting, Chennai, India, 2010
  A. Amudhavalli (India), Local Organiser, Honorary Speaker

Break with Finger food, Beverages and German Music (7:30–8:00 p.m.)

Evening Lecture (8:00–8:35 p.m.)

- Seven Myths in Bibliometrics. About Facts and Fiction in Quantitative Science Studies
  Wolfgang Glänzel, Co-Editor of the journal *Scientometrics*, Honorary Speaker

Break with Finger food, Beverages and German Music (8:35–8:45 p.m.)

Indian Classical Performing Arts – Kathak and Traditional Folk Dance Garaba (8:45–9:30 p.m.)
Bhavana Shah, Leena Shah (India)
Commentary by *Sudhir Kumar(India)*

Vote of Thanks
Frank Havemann, Program Co-Chair, *Michael Heinz,* Organising Chair

PROGRAM, July 29 – August 1

Tuesday, July 29

9:00–10:30 a.m.   **Plenary Talks**
Chair: Frank Havemann (Germany)

Tijssen, Robert (The Netherlands)
  Are we moving towards an integrated European Research Area? A bibliometric perspective

Leydesdorff, Loet (The Netherlands), Thomas Schank (Germany), Andrea Scharnhorst, & Wouter De Nooy (The Netherlands)
  Animating the development of *Social Networks* over time using a dynamic extension of multidimensional scaling

10:30–11:00 a.m.   *Break*

11:00–12:30   **Session: Collaboration Networks: Theory and Practice**
Chair: Loet Leydesdorff (The Netherlands)

Larsen, Peder Olesen (Denmark); Markus von Ins (Germany)
  Lotka's Law, Co-authorship and Interdisciplinary Publishing

Kretschmer, Hildrun; Kretschmer, Theo (China, Germany)
  Varying Shapes of Co-author Pair's Distributions

Kundra, Ramesh (India); Donald deB. Beaver (USA); Hildrun Kretschmer (Germany, China); Theo Kretschmer (Germany)
  Co-author pairs' frequencies distribution in journals of gender studies

Guo Hanning (China); Hildrun Kretschmer (Germany); Zeyuan Liu (China)
  Distribution of Co-author Pairs' Frequencies of the Journal of Information Technology

12:30–14:30   *Lunch*
13:45–14:30   *Poster Session*

14:30–15:15   **Plenary Talk:**
Chair: Isidro Aguillo (Spain

Vaughan, Liwen (Canada)
  A New Frontier of Informetric and Webometric Research: Mining Web Usage Data

15:15–16:00   **Session: Webometrics and Web Space**
Chair: Farideh Osareh (Iran)

Ortega, José Luis; Isidro F. Aguillo (Spain)
  Germany in the European academic web space

Böll, Sebastian; C. S. Wilson (Australia)
  A Webometric Analysis of Australian Universities

16:00–16:30   *Break*

16:30–17:15   **Plenary Talk:**
Chair: Aparna Basu

Rousseau, Ronald (Belgium)
  Recent developments related to the h-index and h-type indices

17:15–18:00   **Session: h-Index and**
European Educational Research Quality Index
Chair: Bart Thijs

Chai, Jing-chun (China); Ping-huan Hua (China); Ronald Rousseau (Belgium); Jin-kun Wan (China)
Another Look at a Pure h-Index

Gradmann, Stefan (Germany)
EU Project EERQI (European Educational Research Quality Index)

Wednesday, July 30

9:00–9:45 a.m.   **Plenary Talk**
Chair: Michael Heinz

Simon Pratt (UK)
Evaluation of German research using a variety of metrics from Thomson Reuters

9:45–10:30 a.m.   **Session: COLLNET Network**
Chair: Donald deB. Beaver (USA)

Markscheffel, B.; H. Thomas (Germany)
COLDLib – A concept for a global knowledge space for the COLLNET community

Jahn, Najko (Germany)
The methodological status of co-authorship networks

10:30–11:00 a.m.   *Break*

11:00–12:30   **Session: The Use of Journal Indicators in Bibliometrics:**
Subject Profiles and Assessment
Chair: Wolfgang Glänzel (Belgium)

Thijs, Bart; Wolfgang Glänzel (Belgium)
The Usage of Collaborating Institutes to Set Benchmarks in Evaluation Studies

Zhang, Lin; Wolfgang Glänzel (Belgium)
Journal cross-citation matrices reconsidered. Tracing the role of individual journals in the communication network

Heinz, Michael (Germany); Irina Marshakova-Shaikevich (Poland, Russia)
Bibliometric assessment of world scientific corpus of journals and fields of knowledge presented in DBs JCR: Science Edition 1998–2002.

Ball, Rafael; Bernhard Mittermaier; Dirk Tunger (Germany)
Creation of Journal-Based Publication Profiles of Scientific Institutions – A Methodology for the Interdisciplinary Comparison of Scientific Research Based on the J- Factor

12:30–14:30   *Lunch*
13:45–14:30   *Poster Session*

14:30–15:15   **Plenary Session**
Chair: Chen Yue (China)

Rao, I. K. Ravichandra (India)
Distributions of Multiple Authors in Two Journals (*JASIST* and *Scientometrics*) and in the subject Software Studies: A Case Study

15:15–16:00 **Session: Cooperation and Co-authorships**
Chair: Jane Russell (Mexico)

Liberman, Sofia and Roberto López Olmedo (Mexico)
Scientist's semantic meaning of the concept of 'coauthorship'

Must, Ülle (Estonia)
The role of traditions in cooperation

Thursday, July 31: *Part A*

9:00–10:30 a.m. **Session: World Wide Web and Webometric Studies**
Chair: Jean-Charles Lamirel (France)

Aguillo, Isidro F.; Josè Luis Ortega; Mario Fernandez; Ana M. Utrilla (Spain)
Web mediators for cybermetric purposes: A comparative analysis

Shah, Leena; Sudhir Kumar; Prashant Goswami; Umesh Sharma (India)
Webometric study of University Websites of UttarPradesh and Rajasthan (India)

Ruschenburg, Tina (Germany)
Oceanographic research institutions on the World Wide Web. A comparison of websites in developed and developing countries

Nouri, Rasool; Farshid Danesh (Iran)
Scientific Production of Academic Members in Web of Science during 2000–2005 and Effective Factors: A case study in Isfahan University of Medical Sciences

10:30–11:00 a.m. ***Break***

11:00–12:30 **Session: Technology Development and Patents**
Chair: Hou Haiyan (China)

Bhattacharya, Sujit; Swapan Patra (India)
Is India Developing Competency in High Technology? Case Study based on Indian Patenting

Singh, Yogendra; Mohd. Furqan Ullah (India)
A Small Town in the World of big Science: Contribution of Roorkee in Scientific and Technological Research, 1996–2005

Lo, Szu-chia (Taiwan)
Scientific Linkage of Public Research and Technology Development

Sun, Taotao (China); Steven A. Morris (USA)
Timeline and Crossmap Visualization of Patents

12:30–14:30 ***Lunch***

14:30–16:00 **Session: National Oriented Analyses (India, Pakistan and Bangladesh)**
Chair: Sujit Bhattacharya

Mahbuba, Dilruba (Bangladesh); Ronald Rousseau (Belgium
A macro-view on science in Bangladesh over the period 1973–2006 and a comparison with India and Pakistan

Basu, Aparna (India)
International Collaboration in Indian Science in two decades (1987–2007): A scientometric study

Kumar, Sudhir; Surendra Kumar; Leena Shah (India)
Collaboration in Research Productivity in Oil seed Research Institutes of India

Manuelraj, P.; A. Amudhavalli (India)
Collaboration Pattern amongst Health Care Professionals in India

| 16:00–16:30 | *Break* |

16:30–18:00   Session: Visualization Techniques
Chair: Yuan Sun (Japan)

Hou, Haiyan(China); Zeyuan Liu (China); Hildrun Kretchmer (Germany, China)
Visualization of International Collaboration Networks of Chinese Scientometrics

Berendt, Bettina; Ilija Subašić (Belgium)
Identifying, measuring and visualizing the evolution of a story: A Web mining approach

Osareh, Farideh (Iran); Katherine W. McCain (USA)
Visualizing the structure of Iranian chemistry in SciSearch using author co-citation technique

Lamirel, Jean-Charles; Anh-Phuong Ta (France)
Combination of hyperbolic visualization and graph-based approach for organizing data analysis results: an application to social network analysis

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Thursday, July 31: Part B

9:00–10:50 a.m.   Session: Scientometric Methods, Measurement & Indicators
Stefan Hornbostel (Germany)

Ivancheva, Ludmila (Bulgaria)
Scientometrics Today: A Methodological Overview

Cavaller, Victor (Spain)
Matrix Indicator System

Mitesser, Oliver; Michael Heinz; Frank Havemann; Jochen Gläser (Germany)
Measuring Diversity of Research by Extracting Latent Themes from Bipartite Networks of Papers and References

Dees, Werner (Germany)
Innovative Scientometric Methods for a Continuous Monitoring of Research Activities in Educational Science

Mayr, Philipp (Germany)
An evaluation of Bradfordizing effects

| 10:50–11:20 a.m. | *Break* |

11:20–12:30   Session: Dissertations, Gender and S&T Policy
Chair: Annedore Schulze (Germany)

Borrego, Angel; Maite Barrios; Anna Villarroya; Amparo Frias; Candela Ollè (Spain)
Research output of Spanish postdoctoral scientists: does gender matter?

Hèrubel, Jean-Pierre V. M. (USA)
French Dissertations in a Period of Transition, 1971–1990: Historical and General Observations for Philosophy, Information and Communication Sciences (SIC), and Art and Archaeology

Hou, Jian-hua; Chen Yue (China)
Information visualization on Documents' Evolution of International S&T Policy

| 12:30–14:30 | *Lunch* |

14:30–16:00   Session: National Oriented Analyses (Eastern Europe)
Chair: Divya Srivastava (India)

Marshakova-Shaikevich, Irina (Poland, Russia)
Polish journals in the world scientific corpus: bibliometric analysis.

Markusova, V.; E. Aversa (Russia)
  Trends in Research Performance and International Collaboration in Central Asia in the PostSoviet Period

Knyazeva, Svetlana; Natalia Slashcheva (Russia)
  Russia–EU S&T Cooperation: bibliometric analysis

Kavunenko, Lidiya (Ukraine)
  Models of International Cooperation in Ukraine

16:00–16:30   *Break*

16:30–18:00   **Session: National Oriented Analyses (India, Turkey, Mexico)**
                Chair: Valentina Markusova (Russia)

Diwakar, Sandhya (India)
  Effectiveness of Research Capacity Building Program in India – A Quantitative Evaluation

Ozel, Bulent; Beyza Oba (Turkey)
  Scientic Collaborations in Turkey

Russell, Jane M.; Ma. Jesús Madera-Jaramillo; Yoscelina Hernández-Garcia; Shirley Ainsworth (Mexico)
  Mexican collaboration networks in the international and regional arenas

Sangam, S.L.; Smt. Meera (India)
  Research Collaboration Pattern in Indian Contributions to Chemical Sciences

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Friday, August 1: Part A

9:00–10:30 a.m.   **Session: Communication and Collaboration**
                Chair: Ülle Must (Estonia)

Perianes-Rodriguez, Antonio; Carlos Olmeda Gómez; Félix Moya-Anegón (Spain)
  Detecting Research Groups In Coauthorship Networks

Zhang, Ting; ZeYuan Liu; TaiYang Zhao (China)
  Timeline and Landscape: A Case Study of Visualizing the Evolution of Science Communication Research Fronts

Srivastava, Divya; Sandhya Diwakar (India)
  Changing Face of Indian Medical Research: A collaboration analysis of papers from SCI (1999 & 2007)

Wang, Xianwen; Yue Chen; Zeyuan Liu (China)
  Analysis of Science Collaboration Network of Top Research-oriented Universities in The World

10:30–11:00 a.m.   *Break*

11:00–12:30   **Session: National Oriented Studies**
                (Asian Countries and Relative Positions in the World)
                Chair: Irina Marshakova-Shaikevich (Poland, Russia)

Larsen, Peder Olesen (Denmark); Markus von Ins (Germany)
  Scientific output and impact. Relative positions of China, Europe, India, Japan and USA

Glänzel, Wolfgang (Belgium); B. M. Gupta (India)
  Science in India. A bibliometric study of national and institutional research performance in 1991– 2006

Sun, Yuan; Sumio Kakinuma (Japan)
  Internationalizing academic research activities in Japan

Zhou, Ping; Wolfgang Glänzel (Belgium)
  Regional analysis on Chinese scientific profile

14:30–16:20   **Session: Miscellaneous Topics**
Chair: Lidiya Kavunenko (Ukraine)

Jowkar Beglou, Reza Rajabali (Iran)
     Study of the relationship between world university rankings and count of links to them: based on Shanghai university ranking and Times Higher Education

Ma Zheng; Pan Yuntao; Su Cheng; Guo Hong; Yu Zhenglu; Hu Zhiyu; Wu Yishan (China)
     Using Lorenz Curve and Gini Coefficient to Reflect the Inequality Degree of S&T Publications: An Examination of the Institutional Distribution of Publications in China and other Countries

Nourmohammadi, H., Abdolreza Noroozichakoli, Mohammad Hassanzadeh (Iran)
     Impact Factor in Institute for Scientific Information

Noroozichacoli, Abdolreza; Mohammad Hassanzadeh; H. Nourmohammadi; A. Etemadifard (Iran)
     Evaluation of Iran Scientific Productions based on ISI Statistics through 2006–2007

Hassanzadeh, M.; H. Nourmohammadi; A. Noroozichakoli
     Organization of science in Iran: a holistic review

Pang, Jing'an; Wang Lian; Cao Yan; Yu Jie (China)
     Quantification Evaluation of Technical Innovation Capabilities of Chinese Large and Medium Industrial Enterprises

Thamaraiselvi, G. (India)
     Concept of Web Impact Factors In Webometrics

Macias-Chapula, C.A.; Rodea-Castro, I.P; Menjivar-Rubio, A.H; Meza-Barrera, M.A. (Mexico)
     A bibliometric analysis of public health research work in Mexico

Farajpahlou, A. Hossein; Osareh, Farideh (Iran)
     Growth and development of Iranian scientific outputs in Social Sciences during 1990–2006 as is draw from Web of Science (WOS)

16:20–16:50   *Break*

16:50–17:30   **Plenary Session: Round Table Discussion**
Chair: Ramesh Kundra

Friday, August 1: Part B

9:00–10:30 a.m.   **Session: Knowledge Management and Mapping of Science**
Chair: Bernd Markscheffel (Germany)

Schulze, Anna Dorothea & Katrin Meischner
     Conflict Emergence and Conflict Management in Developing Innovations

Chen, Yue; Wang Xukun; Chang Dongxu (China)
     Basic Concepts and Disciplinary Position of Management —A recognition based on scientometrics

Derrick, Gjemma E. (Australia)
     The Mapping and Prediction of the Publication Activity of an Academic Scientist: Implications for Public Science Communication

Jiangbo, Li; Jiang Chunlin; Du Weibin (China)
     Visualization study of management hotspots based on CSSCI in China

10:30-11:00 a.m.   *Break*

11:00–12:30   **Session: Citation Behaviour, Web Links and Evaluation**
Chair: Shivappa Sangam (India)

Panigrahi, B.K.; Mukherjee, T.; Srivastava, D. (India)
Analytical evaluation of Malaria Research Papers in MEDLINE & SCI during the period of 1986–90 & 2001–05

Kousha, Kayvan (Iran)
Characteristics of Open Access Web Citation Network: A Multidisciplinary Study

Ghane, Mohammad Reza (Iran)
Self-Citation in PJCR's Engineering Journals and their Significance in Determining the Impact Factor

Danesh, Farshid; Faramarz Soheili; Afsaneh Shafiei (Iran)
An Analysis of the Links among the Websites of the Iranian government ministries: Using Webometrics methods

12:30–14:30   *Lunch*

14:30–16:20   **Session: Miscellaneous Topics**
Chair: Zhang Lin (Belgium)

Afshar, Mina; Amir Hossein Abdulmajid; Farshid Danesh; Afsaneh Shafiei (Iran)
Survey on authors' collaboration rate and citation behaviors of in JRMS articles during 2004–2006

Krischnamoorthy, G; A. Amudhavalli; K. Balu (India)
S & T Collaboration: A Quantitative Study

Asnafi, AmirReza; Maryam Pakdaman Naeeni (Iran)
A survey on amount of scientific publications of Iranian scientists and their collaboration in E-Print database

Zhu, Ling; Chen Jin (China)
Searching for China's Regional Innovation Poles and Holes based on the Scientometrics of Regional Patent Collaboration data

Biglu, Mohammad Hossein (Iran)
Scientometric study of patent literature in medicine

Asadi, Maryam; Maryam Shekofteh (Iran)
Relationship between the research activity of Iranian medical universities and their Web Impact Factor

Tavakolizadeh-Ravari, Mohammad (Iran)
A Study on Evaluating Documents regarding their Lengths

Zahedi , Zohreh (Iran)
Visibility of Iranian Journals Web Sites: A Webometric Study

16:20–16:50   *Break*

16:50–17:30   **Plenary Session: Concluding Round Table Discussion**
Chair: Ramesh Kundra

Poster Presentations

1. Alemokhtar, Mohammad Javad; Rasoul Nouri; Roghayyeh Asgari; Mohammad Ali Boroumand (Iran)
   Determining Isfahan University of Medical Sciences Cardiovascular E-Journals based on the rate of usage among university users in 2006 and ranking these journal in ISI list
2. Baykoucheva, Svetla (USA)
   Analyzing Literature on Drugs with Web of Science and HistCite: Institutional Affiliations of Most Prolific Authors Publishing on Atorvastatin (Lipitor)
3. Burrell, Quentin L. (Isle of Man)
   The publication/citation process at the micro level: A case study
4. Cavaller, Victor (Spain)
   Datametrics? About the architecture of the metric disciplines
5. Danesh, Farshid; Ahmad Meratnia; Afsaneh Shafiei (Iran)
   Survey on electronic banking in Iran: Using Webometrics methods
6. Ghane, Mohammad Reza (Iran)
   Iranian University Rankings Initiative
7. Gupta, B.M.; S.M. Dhawan (India)
   A Comparative Study of Social Science Research in India, China and Brazil
8. Guo, Yongzheng (China)
   Research Collaboration between China and India: 1978–2007
9. Kretschmer, Hildrun; Kretschmer, Theo (China, Germany)
   Visualization of social Gestalts in collaboration networks
10. Lewison, Grant (UK)
    Who writes reviews? Can they be used to evaluate research?
11. Liang Yongxia; Liu Zeyuan; Wang Xianwen (China)
    Knowledge Mapping of Citation Analysis Domains
12. Luan Chunjuan; Chen Yue; Bai Tianxia (China)
    Patentometric Study of Global Academies
13. Mukherjee, Trina; Panigrahi, B.K.; Srivastava, D. (India)
    An analytical study of coverage of Dengue by MEDLINE and Indian Science Abstracts
14. Rana, Sunil (India)
    Knowledge Management: A Paradigm Shift
15. Roe, Philip E. (UK)
    Database of Biomedical Research Articles Cited by International Media Stories (BRACIMS)
16. Sangam, S.L. (India) & Liang Liming (China)
    Modeling the Growth of Indian and Chinese Liquid Crystals Literature as reflected in Science Citation Index (1997–2006)
17. Srivastava, Divya; Ramesh Kundra; Sandhya Diwakar (India)
    An Analysis of Nobel Prize for World Science (1901–2007): Physics, Chemistry and Physiology/Medicine
18. Wadhwa, N. K., D. K. Tewari, Rajpal Walke, A. K. Yadav, and S. M. Dhawan
    Bibliometric Analysis of NPL Papers Published during 1981–1985 and 2001–2005: Case Study
19. Wang, Xianwen (China); Chaomei Chen (USA); Zeyuan Liu (China)
    Evolution of Geographic Information Systems research front using information visualizing network
20. Zahedi, Z.; Rajabali B.R. (Iran)
    Webometrics, Webmetrics, Bibliometrics or any other Metrics? What's the difference?
21. Zahedi, Zohreh; Mansooreh Serati Shirazi: Leila Dehghani (Iran)
    An Analysis of ISI Medical Journals Using Yahoo, AltaVista, and All The web Search Engines: A Webometrics Study
22. Zhu Xiao-yu; Hou Jian-hua; Chen Yue (China)
    Distribution and research fronts of international energy technology