

# PROGRAM OF 2005

10<sup>th</sup> INTERNATIONAL CONFERENCE  
OF THE INTERNATIONAL SOCIETY FOR  
SCIENTOMETRICS AND INFORMETRICS  
STOCKHOLM, SWEDEN  
JULY 24-29, 2005



# ISSI 2005 Organisation and Program Committee

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Professor Irene Wormell, University College, Borås, Sweden

## **Programme Chair:**

Professor, Peter Ingwersen, Royal School of Library & Information Science, Copenhagen, Denmark

## **Poster Chair:**

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Assistant professor, Birger Larsen, Royal School of Library & Information Science, Copenhagen, Denmark.

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Schubert Foo	Ed Noyons	

## **ISSI 2005 is sponsored by:**

The Swedish Research Council, Vinnova, Karolinska insitute, Umeå university, Eugene Garfield foundation, Thomson ISI, Scopus

### **Transport to and from Karolinska Institute**

Bus nr 47 stops just outside Scandic Hotel Continental which is very close to Hotel Terminus and Freys Hotel and opposite to the Central Station and City terminal. Bus 47 will take you directly to, and back from, Karolinska Institute, in about 16 minutes. Bus 47 leaves every 10 minutes. To be in time for the conference start at 9.00, please be at the bus stop outside Hotel Scandic Continental at 8.20. If you take bus 47 there is hardly any risk to get lost. Each participant will get a 3 day bus ticket for free.

At Karolinska, bus 47 stops just outside the conference halls - look for the ISSI 2005 sign. The exact address is Berzelius vag 3, and you can also enter at 7b. Look at the Karolinska institute's map at the upper left corner.

If you stay at Vanadis Hotel you can take bus 73 from Wennergren Center (the tall building at Sveavägen). Bus 73 stops at the other side of the Karolinska Institute's campus, you enter at Nobels väg at the bottom of the Karolinska institute's map, and then you walk across campus. If you prefer to walk, the distance from Hotel Vanadis to Karolinska Institute is about 2 kilometres.

There is also a detailed bus map below.

For more information about local transportation in Stockholm call: 600 10 00, for information in English press 8!

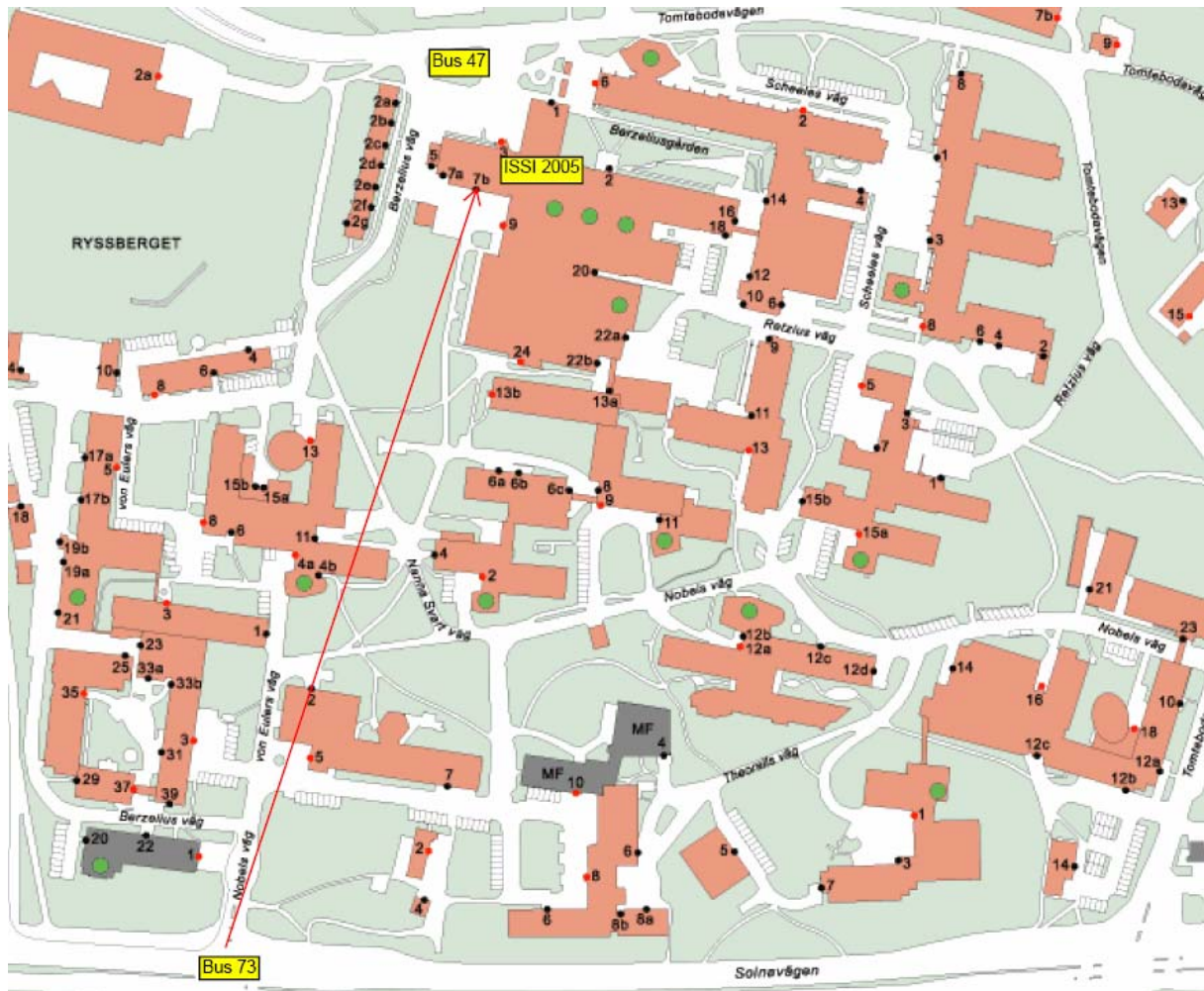
### **Instructions for presentations**

*Full paper* presentations will be allocated maximum 20 minutes for presentation and 5 minutes for questions, *Research-in-progress papers* maximum 10 minutes for presentation and 5 minutes for questions.

Slide shows for the presentations should be stored on a transportable medium, such as a USB key/memory stick or CD-ROM, and should be displayable on a standard windows machine (Microsoft PowerPoint is preferred). Please, do not send your presentation by e-mail! Overhead projectors are also available.

For *posters* there will be a screen with 2 squares, each 70 cm wide and 100 cm high. Pins are available to set up the poster. Half the posters are presented on Monday, July 25, the other half on Tuesday, July 26. Poster presenters must set up the poster in the morning on the chosen day, prior to conference start, so that lunch and coffee breaks can be used for poster discussions. Presenters also take them down at conference close on that same day. There is no printing service at the conference so you must bring your printed poster with you.

# Map of Karolinska institute





# ISSI 2005 PROGRAM

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## Sunday, July 24

09.00-17.00	<b>Doctoral Forum</b>	See <a href="#">program</a> - <a href="#">Scandic Hotel Continental</a>
18.00-21.00	<b>Welcome reception &amp; registration</b>	Buffé and registration - <a href="#">Scandic Hotel Continental</a>

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## Monday, July 25

## **Conference starts at Karolinska Institute**

Date/time	Session title	Room	Paper title	Authors
				(for co-authored papers the presenting author in italics)
08.00-09.00	<b>Registration cont.</b>			
09.00-09.20	<b>Opening</b>	Adam	Conference chairs: Olle Persson, Irene Wormell Dean of research at Karolinska Institute: Jan Carlstedt Duke President of ISSI: Henry Small Program Chair: Peter Ingwersen	
09.20-10.00	<b>Keynote</b> Chair: Irene Wormell	Adam	Warm Bodies, Cold Facts: The Embodiment and Emplacement of Knowledge Claims	Blaise Cronin
10.00-10.30	Coffee & Posters			
10.30-12.35	<b>Plenary Session</b>  Chair: Peter Ingwersen	Adam	Tracking and Predicting Growth Areas in Science  Exploring the Analytical Potential of Comparing Citing and Cited Source Items  Knowledge Integrators or Weak Links? Inventor-Authors: An Exploratory Comparison of Patenting Researchers with Their Non-inventing Peers in Nano-science and Technology  Visualizing 60 Years of Anthrax Research  Identifying Small-World Connectors across an Academic Web Space – A Webometric Study	Henry Small  Olle Persson  Martin Meyer  <i>Steven A. Morris</i> and Kevin W. Boyack  Lennart Björneborn
12.35-14.00	Lunch & Posters			

14.00-15.40	<b>Webometrics A (Parallel session)</b>	Adam	Motivations for URL Citations to Open Access Library and Information Science Articles	<i>Kayvan Kousha</i> and Mike Thelwall
	Chair: Liwen Vaughan		Limits and Feasibility of Cositation Method on the Web. An Experiment on the French Speaking Web	Camille Prime-Claverie, Michel Beigbeder and <i>Thierry Lafouge</i>
			Expectations Versus Reality – Web Search Engines at the Beginning of 2005	Judit Bar-Ilan
			Research Productivity in the Internet Era	Franz Barjak
14.00-15.40	<b>Informetric Modelling (Parallel session)</b>	Bertil	Journal Diffusion Factors and their Mathematical Relations with the Number of Citations and with the Impact Factor	L. Egghe
	Chair: Ronald Rousseau		Power-law Fractal: the Law of Technological Innovation Output Statistics	Shu Fang
			An Empirical Study of the Measurement of Similarity of Concentration between Different Informetric Distributions	Quentin L. Burrell
			A Study of Rank Distributions of Journals and Articles	I.K. Ravichandra Rao
15.40-16.10	Coffee & Posters			
16.10-17.00	<b>Knowledge Sources (Parallel session)</b>	Adam	Welcome to the Linguistic Warp Zone: Benchmarking Scientific Output in the Social Sciences and Humanities	Éric Archambault, <i>Étienne-Vignola Gagné</i> , Grégoire Côté, Vincent Larivière and Yves Gingras
	Chair: Jesper W. Schneider		Proceedings Literature as Additional Data Source for Bibliometric Analysis	<i>Wolfgang Glänzel</i> , Balázs Schlemmer, Andrés Schubert and Bart Thijs
16.10-17.00	<b>Bio &amp; Medical Informetrics A (Parallel session)</b>	Bertil	General Analyses of Cancer Research Publications in Australian States using the Science and Social Science Citation Indexes	Concepción S. Wilson
	Chair: Rikard Danell		An Informetric Analysis of the HIV/AIDS Literature Specific to the Youths, 1980 - 2002	<i>Omwoyo B. Onyancha</i> and Dennis N. Ocholla
18.15-20.30	<b>Walk-about in the Old Town</b>		This tour starts by bus from <a href="#">Scandic Hotel Continental</a>	

## Tuesday, July 26

09.00-10.30	<b>Webometrics B (Parallel session)</b>	Adam	What Can University-to-Government Web Links Reveal about University – Government Collaboration?	<i>David Stuart</i> and Mike Thelwall
	Chair: Lennart Björneborn		Academic Home Pages and Nobel Laureates	Michael Nelson
			A Web Map of the CSIC Research Centres: A comparative study of the Cosine and the Pearson's Correlation Coefficient in a Colink Analysis	<i>José Luis Ortega Priego</i> and Isidro Aguillo

			Web Links as an Indicator of Research Output: a Comparison of NZ Tertiary Institution Links with the Performance Based Research Funding Assessment	<i>Alastair G. Smith</i> and Mike Thelwall
			Some Preliminary Results from a Link-crawl of the European Union Research Area Web	Viv Cothey
			Measuring Wikipedia	Jakob Voß
09.00-10.30	<b>Research Performance (Parallel session)</b>	Bertil	Comparative Study on Patents and Publications Productivity between Provinces of China and States of USA	Pan Yuntao, Ma Zheng and <i>Wu Yishan</i>
	Chair: Birger Larsen		A New Model to Evaluate the Scientific Performance of Public Research Institutions	Mario Coccia
			Different Outcomes of Different Counting Methods for Publications and Citations	<i>Marianne Gauffriau</i> and Peder Olesen Larsen
			Research Evaluation of Research-Oriented Universities in Taiwan	Mu-hsuan Huang and <i>Han-wen Chang</i>
			Bibliometric Evaluation of the South African Scientific Output Performance	<i>Daisy Jacobs</i> and Ammanuel Yemane Habtezion
			Highly Visible Science: A Look at Three Decades of Research from Four Iberamerican Countries	<i>Jane M. Russell, J. Antonio Del Rio</i> and Héctor D. Cortés
10.30-11.00	Coffee & Posters			
11.00-12.30	<b>Citation Analysis &amp; Categorisation (Parallel session)</b>	Adam	Using Reference Structures to Evaluate Co-word Structures: First Explorations	<i>R.K. Buter</i> and E.C.M. Noyons
	Chair: Katherine McCain		Journal Self-Citation Study in Semiconductor: Synchronous and Diachronous Approach	<i>Ming-yueh Tsay</i> and Shang-lee Hsia
			Different Approaches to Automated Classification: Is There an Exchange of Ideas?	<i>Koraljka Golub</i> and Birger Larsen
			Developing Bibliometric Indicators of Research Performance in Computer Science	<i>Martijn S. Visser</i> and Henk F. Moed
			Factor Analytic Approach to Transitive Text Mining Using PubMed keywords	<i>Johannes Stegmann</i> and Guenter Grohmann
			Co-clustering Approaches to Integrate Lexical and Bibliographical Information	<i>Frizo Janssens, Patrick Glenisson, Wolfgang Glänzel</i> and Bart De Moor
11.00-12.30	<b>Collaboration &amp; Discoveries (Parallel session)</b>	Bertil	In Defence of 'Early Career Universities'	Linda Butler
	Chair: Martin Meyer		Heterogeneity of Intellectual Assets - A Method for Identification and Measurement with Patent Data	<i>Henrich Dahlgren, Rasmus Lund Jensen</i> and Finn Valentin

			Are There Research Teams in a 'Little Science' Discipline such as Mathematics?	<i>María Bordons, María Teresa Fernández, Fernanda Morillo and Isabel Gómez</i>
			Research Networks of Pharmaceutical Firms: Geographical Patterns of Research Collaboration Within and Between Firms	<i>Clara Calero, Thed N. van Leeuwen and Robert J.W. Tijssen</i>
			Bipartite Yule Processes in Collections of Journal Papers	Steven A. Morris
			The Discovery of Discoveries: Exploring the Dissemination of Major Findings in the Life Sciences	Hampus Rabow
12.40-14.00			Lunch & Posters	
14.00-15.15	<b>Citation Analysis A (Parallel session)</b>	Adam	How Influential is Brooks' Law? A Citation Context Analysis of Frederick Brooks' The Mythical Man-Month	<i>Katherine W. McCain and Laura J. Salvucci</i>
	Chair: Henk Moed		Predicting the Importance of Current Papers	<i>Kevin W. Boyack and Richard Klavans</i>
			Selecting Scientific Excellence through Committee Peer Review - A citation Analysis of Previous Publications by Successful and Non-successful Post-doctoral Research Fellowship Applicants	<i>Lutz Bornmann and Hans-Dieter Daniel</i>
14.00-15.15	<b>National Indicators (Parallel session)</b>	Bertil	Using ISI's 'Highly Cited Researchers' to obtain a Country Level Indicator of Citation Excellence	Aparna Basu
	Chair: Henry Small		China's Quantitative Expansion Phase: Exponential Growth but Low Impact	<i>Bihui Jin and Ronald Rousseau</i>
			A Decade after Hicks and Katz: Interdisciplinary Research Re-Examined	<i>Ulf Sandström and Daniel Wadskog</i>
15.15-15.45			Coffee & Posters	
15.45-17.00	<b>Citation Analysis B (Parallel session)</b>	Adam	The Weight of Author Self citations	Wolfgang Glänzel, <i>Bart Thijs</i> and <i>Andrés Schubert</i>
	Chair: I.K. Ravichandra Rao		Are Citation Data a Valid Measure of Journal Use? An Empirical Examination in an Academic Context	<i>Joanna Duy and Liwen Vaughan</i>
			Author Cocitation Analysis is to Intellectual Structure as Web Colink Analysis is to .... ?	Alesia Zuccala
15.45-17.00	<b>Visualisation (Parallel session)</b>	Bertil	Naming Clusters in Visualization Studies: Parsing and Filtering of Noun Phrases from Citation Contexts.	Jesper W. Schneider
	Chair: Katy Börner		Co-Network Analysis	<i>Evaristo Jiménez-Contreras, Emilio Delgado-López-Cózar, Rafael Ruiz-Pérez, Mercedes de la Moneda-Corrochano, Rosario Ruiz-Baños and Rafael Bailón-Moreno.</i>

Mapping World-wide Science at the Paper Level *Richard Klavans and Kevin W. Boyack*

18.30-22.30 **Conference Dinner and awards** Aboard [s/s Stockholm](#), embarkment next to the City Hall (Stadshuset)

## Wednesday, July 27

09.00-09.40	<b>Keynote</b>	Adam	Citation Analysis in Research Evaluation	Henk F. Moed
09.40-10.30	<b>Price Medal Winners</b>	Adam	On Extending Informetrics: An Opinion Paper	Howard D. White
	Chair: Olle Persson		Evaluation of Strategic Research Programs: The Case of Danish Environmental Research 1993-2002	<i>Peter Ingwersen and Birger Larsen</i>
10.30-11.00	Coffee			
11.00-12.40	<b>Patents (Parallel session)</b>	Adam	Does Industrial Relevance in Public Science Come at the Expense of Basic Research? Revisiting Tradeoffs in University Research	Maria Theresa Larsen
	Chair: Concepción S. Wilson		Delineating the Patent Data: What Does it Reveal? A Case Study of Prolific Patenting Institutions of India and China	Sujit Bhattacharya
			The 'Home Advantage' Effect and Patent Families: a Comparison of OECD Triadic Patents, the USPTO and the EPO	Paola Criscuolo
			Essential Patent Indicators for the Evaluation of Industrial Technological Innovation Competitiveness	Dar-Zen Chen and <i>Wen-Yau Cathy Lin</i>
11.00-12.40	<b>Collaboration (Parallel session)</b>	Bertil	Factors that Impact Interdisciplinary Natural Science Research Collaboration in Academia	Kelly L. Maglaughlin and <i>Diane H. Sonnenwald</i>
	Chair: Isabel Gomez		Comparative Analysis of Co-authorship Networks Considering Authors' Roles in Collaboration: Differences between the Theoretical and Application Areas	Fuyuki Yoshikane, Takayuki Nozawa and Keita Tsuji
			Patterns of Scientific Collaboration between Japan and France: Inter-sectoral analysis using Probabilistic Partnership Index (PPI)	<i>Yasuhiro Yamashita, Yoshiko Okubo</i>
			Inter-University Collaboration in Canada	Isola Ajiferuke
12.40-14.00	Lunch			
14.00-15.15	<b>Business Informetrics (Parallel session)</b>	Adam	Mapping Business Competitive Positions Using Web Co-link Analysis	<i>Liwen Vaughan and Justin You</i>

	Chair: Irene Wormell		Experiments on Quantitative Technology Trends Analysis from the Internet News Resources	Shin-ichi Kobayashi, <i>Yasuyuki Shirai</i> , Kazuo Hiyane, Fumihiro Kumeno, Hiroshi Inujima and Noriyoshi Yamauchi
			Economic Impact Indicators for Academic Research: Spin-Off Companies and Licensing	P. S. Vincett
14.00-15.15	<b>Connectivity Analyses (Parallel session)</b>	Bertil	Comparative Analysis of Networks of Collaboration of Canadian Researchers in the Natural Sciences, Social Sciences and the Humanities	Vincent Larivière, <i>Yves Gingras</i> and <i>Éric Archambault</i>
	Chair: Ed Noyons		Mapping Research Topics Through Word-reference Co-occurrences	Gaston Heimeriks and <i>Peter Van den Besselaar</i>
			The Rhythm of Science, the Rhythm of SCIENCE	<i>Liming Liang</i> , Ronald Rousseau and Fei Shi
15.15-15.45	Coffee			
15.45-17.00	<b>Bio &amp; Medical Informetrics B (Parallel session)</b>	Adam	Biomedical Research and the Regional Burden of Disease	Grant Lewison
	Chair: Mike Thelwall		Bibliometric Study of Scientific Research on Prion Diseases Encephalopathy and Creutzfeldt Jakob Disease, 1973-2002	<i>E. Sanz-Casado</i> , C. Suárez-Balseiro, I. Iribarren-Maestro, M. Ramirez-de Santa Pau and J. de Pedro-Cuesta
			Scientometric Analysis of the 2003 Sleep Research Literature in Medicine and Biology	Claude Robert, <i>Concepción S. Wilson</i> , Jean-François Gaudy and Charles-Daniel Arreto
15.45-17.00	<b>Institutional Indicators (Parallel session)</b>	Bertil	Composite Scientometric Indicators for Evaluating Publications of Research Institutes	Peter Vinkler
	Chair: Wu Yishan		Restructuring the Japanese National Research System and its Effect on Performance	<i>Takayuki Hayashi</i> and Hiroyuki Tomizawa
			Spatio-Temporal Information Production and Consumption of Major U.S. Research Institutions	<i>Katy Börner</i> and Shashikant Penumarthy
17.10-17.30	<b>Conference Close</b>	Adam	Program Chair Peter Ingwersen Transfer to ISSI 2007 in Madrid, Isabel Gomez CINDOC Conference chairs: Irene Wormell/Olle Persson	
18.30-21.00			ISSI board meeting at <u>Scandic Hotel Continental</u>	
<b>Monday, July 25</b>	<b>Poster session</b>			
			Aggregation Consistency and Frequency of Chinese Words and Characters in Library Catalogs	Clément Arsenault
			Analysis of Internet Diffusion in Italy: a comparison of for-profit and non-profit sector	Irma Serrecchia Michela Serrecchia Maurizio Martinelli

Analysis of scientific research on diagnostic imaging in collaboration between European Union countries and between European and other worldwide countries	Alberto Miguel-Dasit; Adolfo Alonso Arroyo; Antonia M. Agulló Martínez; Rafael Aleixandre-Benavent; Juan Carlos Valderrama Zurian
Author Cocitation Analysis is to Intellectual Structure as Web Colink Analysis is to .... ?	Alesia Zuccala
Bibliometric study of scientific output in Tabriz University of Medical Science 1988-96	Biglu, Mohammad Hossein ; Askari Omid
Bibliometric Study of the Scientific Publications by the Peking University Health Science Center Faculty Accepted by SCIE from 1998 to 2003	Li-li Yang, Ying Xia, Shu-mei Yin, Su-ping Jia, Nai-cheng Wu & Li-mei Yang
Bibliometric Study on SARS in MEDLINE	Li-mei Yang, Li-li Yang
Categorising citations to trace research impact	Teresa Jones
C-MLink: a web-based tool for transitive text mining.	Guenter Grohmann, Johannes Stegmann
Collaboration in astronomy knowledge production: a case study in ScienceDirect from 2000-2004	Farideh Osareh
Co-word analysis revisited: Modelling co-word clusters in terms of graph theory	Xavier Polanco
English Proficiency and Time to Publication: The Case of Brazilian Science	Sonia M.R.Vasconcelos, Jacqueline Leta and Martha Sorenson
European Journals in Humanities: a Case Study	Ülle Must
Explorations in bibliometric historiography: the (re)emergence of neural networks, 1980-1991	Katherine W. McCain
Exploring the relationship between Research and Health Care	Antonio García Romero
First approach to exploring innovation activity in Puerto Rico: a patent-based analysis from 1981 to 2000	Carlos A. Suárez-Balseiro, Mariano Maura Sardó & Elías Sanz Casado
Five years of policy-based bibliometrics in Flanders: an overview and a reflection	K. Debackere and W. Glanzel
Give the thought to the elderly: A webometric Analysis	Dr Divya Srivastava, Dr Usha Mujoo Munshi, Dr Ramesh Kundra
Google Web APIs ? an Instrument for Webometric Analyses?	Philipp Mayr & Fabio Tosques
Hypothetical influence of non-indexed Spanish journals on the impact factor of the Journal Citation Reports-indexed journals	Valderrama Zurian JC, Aleixandre-Benavent R, Castellano Gómez M, Alonso Arroyo A, Miguel-Dasit A

**Tuesday,  
July 26**

**Poster  
Session**

Mapping the 'Human' side of Computing: An Author Cocitation Analysis of the Interrelationships between Ergonomics, Human-Computer Interaction and Human Factors Research	Gulshan Pajwani & Katherine W. McCain
Mapping the global structure of Antarctica Research vis-à-vis Antarctic Treaty System (ATS)	Prabir G.Dastidar and Olle Persson
Marginalized Knowledge. Informetric analysis of Indigenous Knowledge publications (1990-2002)	Dennis Ocholla and Bosire O. Onyancha
Methodological procedure to overcome the lack of normalisation of author names in bibliometric analyses at the micro level	Costas, R. and Bordons, M.
Research Institutes and Universities: Does Collaboration Pay?	Ulf Sandström, Daniel Wadskog and Staffan Karlsson
Nobility of Nobel Prize for World Science: An Analysis of Awards	Ramesh Kundra, Krishnan Marg & Divya Srivastava
Non-Source Items of the Journal Citation Reports	Johannes Stegmann, Guenter Grohmann
Research Impact On Genetic Engineering Research - Patent Citation Analysis	Szu-chia Lo & Mu-Hsuan Huang
Polish University Web Sites	Malgorzata Kaliczynska
Ranking of World Universities in the Web	Aguillo, I.F., Prieto, J.A., Ortega, J.L.; Granadino, B
Science and Technology Policy in Turkey-National Strategies for Innovation and Change, 1983-2003 and Beyond	Ali Uzun
Scientific and technological performance evaluation of the Spanish Council for Scientific Research (CSIC) as compared with similar National Research Institutions in France and Italy	Albert A.; Granadino B.; Plaza L.M.
Scientific Output of the University Hospital from the Federal University of Rio de Janeiro. Balance Between Education- and Research-Oriented Publications	Kizi Mendonça-Araujo, Paulo Mourão and Jacqueline Leta
Scientometric Portrait of Nobel Laureate Anthony J Leggett	Mallikarjun Angadi; M M Koganuramath, B S Kademani, B D Kumbar, and Suresh Jange

Second-order conglomerate construction and correlation studies in a conglomerate framework	Ronald Rousseau
Serbian Citation Index: Context and content	Pero Šipka
South Africa's scientific productivity: Growth, development, and research collaborations from 1995 to 2004	Dr Daisy Jacobs, Ammanuel Yamane
Visualisation of knowledge production on public health research work in Latin America and the Caribbean	Macías-Chapula, C.A., Rodea-Castro, I.P., Mendoza-Guerrero, J.A., Gutiérrez-Carrasco, A.
What journals do UK psychiatrists consider important to their clinical practice: a sub-specialty analysis of the relationship with impact factors and country of publication.	Teresa Jones and Stephen Hanney
Wikipedia and Lotka's Law: Bibliometric Patterns in the World's Largest Encyclopedia	M. Cameron Jones, Karen E. Medina
XML schema to support reliable Web-crawling and the exchange of Web crawl graphs	Viv Cothey

**Thursday,  
July 28**

**COLLNET- extra  
session**

Time	Chair	Room	Title	Authors
09.00-10:30	Chair: Hildrun Kretschmer	Bertil	Patterns of co-authorship: Statistical, philosophical, and sociological implications	Donald deB. Beaver
			Examining technological collaboration through patent analysis: Case study of some emerging economies	Sujit Bhattacharya and S. C. Sharma
			Co-authorship on management science in China	Chen Yue, Liu Zeyuan
10.30-11:00	Coffee & posters			
11.00-12:30	Chair: Ronald Rousseau	Bertil	Evaluation of collaboration between European universities using dynamic interaction between multiple sources	Jean-Charles Lamirel
			Visibility of collaboration between immunology institutions on the web including aspects of gender studies	Hildrun Kretschmer, Ute Kretschmer, Theo Kretschmer
			Higher education and research collaboration between Iran and UK	Farideh Osareh
12.30-13:30	Lunch			
13.30-15:00		Bertil	Chair: Jean-Charles Lamirel	
			Is it worthwhile to make cooperation with Central Asia?	Ulle Must
			Collaboration and distances between German immunological institutes	Frank Havemann, Michael Heinz, Hildrun Kretschmer

			Collaboration in social science research in India	S.L. Sangam and Keshava
15.00-15:30	Coffee & posters			
15.30-16:30	Chair: Ülle Must	Bertil	Co-activity and collaboration in emerging nano-science and technology: Are there gatekeepers linking research and technical development?	Martin Meyer
			Regional collaboration in S&T among South Asian countries	B. M. Gupta
16.30-17:00	Chair: Shabahaat Husain	Bertil	COLLNET Round Table Discussion (Opening: Hiltrun Kretschmer)	

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## COLLNET Posters

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			Why collaborate? Scientist's semantic meaning of 'international collaboration' at the National University of México	Galán Díaz Carlos Roberto, Liberman Shkolnikoff Sofia
			Q-measures for binary divided networks: an application in informetrics	Ronald Rousseau
			Cooperation behaviour of German medical faculties 1993-2001	Johannes Stegmann, Guenter Grohmann

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## Exhibitions and demos

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			Places & Spaces: Cartography of the Physical and the Abstract	Katy Borner
			Scopus	Ginny Hendricks
			Inspec Archive	Susan Bates

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