

## **COVER LETTER:**

Dr. Hilbert pursues a multidisciplinary approach to understanding the role of information, communication and knowledge for social development. He is particularly interested in the implications of and requisites for the digitization of information in complex social systems. He has published peer-reviewed Journal articles in the fields of communication, public policy, economic development, political science, women's studies, technology, forecasting and social change. He has written six books (three with academic editorials), and provided hands-on technical assistance to Heads of States, government officials, legislators, diplomats, and civil society organizations in 27 countries. Dr. Hilbert has raised over US\$24 million in grants for the United Nations and has personally coordinated research and technical assistance programs that sum up to US\$ 6 million. Policy makers at the highest political levels have officially recognized the impact of these projects in public declarations. He holds a permanent appointment as Economic Affairs Officer of the United Nations, but is currently on a leave from these duties and has joined the University of Southern California (USC). Dr. Hilbert speaks five languages, has published in three of them and has over ten years of working and research experience in four continents. His work has been featured in Science, Scientific American, The Wall Street Journal, The Economist, Washington Post, NPR, BBC, Sueddeutsche, Correio Braziliense, La Repubblica, El Pais, among others.

## **CURRICULUM VITAE**



**Martin Hilbert**

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<http://www.martinhilbert.net>

Date of Birth: 25.11.1977

Nationality: German

Place of Birth: Frankfurt a. M.

Marital Status: Single

## **EDUCATION:**

- 2008 – today      **PROVOST Fellow**, PhD in Communication, Doctoral Student  
University of Southern California (USC), Annenberg School of Communication  
*Work with: Manuel Castells, Peter Monge, Gerhard Kramer, Bill McKelvey; Len Adleman*
- 2003 –2006      **Doctor of Economics and Social Science (Dr. rer. pol.)** *summa cum laude*  
*Doktor der Wirtschafts- und Sozialwissenschaften (Dr. rer. pol.), summa cum laude;*  
Friedrich-Alexander University Erlangen-Nuremberg, School of Economic and Social Sciences (WISO), supervisor Prof. Dr. Schachtschneider, *Germany*
- 1998 –2003      **University Graduate of Business Administration (Dipl.-Kfm.)** *magna cum laude*  
*Diplom-Kaufmann Univ. (Dipl.-Kfm.), Prädikat;*  
Friedrich-Alexander University Erlangen-Nuremberg, School of Economic and Social Sciences (WISO), *Germany*
- University exchange**, 2000-2001, University of Chile, FACEA
- 2001 – 2002      **Diploma Strategic Knowledge Management;**  
*Diploma en Gestión Estratégica del Conocimiento;*  
Institute of Public Affairs (INAP), Political Science Department, University of Chile

## **EMPLOYMENT HISTORY:**

- 2005 to today **Economic Affairs Officer United Nations**, permanent appointment  
*[on leave during the academic year since 08/2008]* United Nations Economic Commission for Latin America and the Caribbean ECLAC  
Coordinator of the Information Society Programme: <http://www.cepal.org/SocInfo>
- 2001 – 2005 **Lead Researcher on ICT for Development**  
United Nations Economic Commission for Latin America and the Caribbean, UN ECLAC; Division of Production, Productivity and Management;
- 2001 – 2002 **Free-lance research consultant**  
United Nations Industrial Development Organization (UNIDO).
- 2001 – 2001 **Free-lance research consultant**  
International Telecommunications Union (ITU).
- 1997 – 1998 **Civil Service in Israel**, *Anderer Dienst im Ausland*;  
German-Israelite-Association for Rehabilitation, Haifa, Israel

## **PUBLICATIONS (underlined text is hyperlink enabled):**

### **Peer-Reviewed Journal Articles**

- Hilbert, M. (11/2011). [Digital gender-divide or technologically empowered women in developing countries? A typical case of lies, damned lies, and statistics.](#)  
*Women's Studies International Forum* Vol. 34, Issue 6, pp. 479-489
- Hilbert, M. (09/2011). [The end justifies the definition: The manifold outlooks on the digital divide and their practical usefulness for policy-making.](#)  
*Telecommunications Policy*, Vol. 35, Issue 8, pp. 715-736.
- Hilbert, M., P. López (04/2011). [The world's technological capacity to store, communicate and compute information.](#)  
*Science*, Vol. 332, no. 6025, pp. 60-65
- Hilbert, M. (05/2010). [Information Societies or "ICT equipment societies"? Measuring the digital information processing capacity of a society in bits and bytes.](#)  
*The Information Society: an international journal*, Vol. 26, Issue3, pp.157-178
- Hilbert, M. (05/2010). [When is cheap, cheap enough to bridge the digital divide? Modeling Income Related Structural Challenges of Technology Diffusion in Latin America.](#)  
*World Development: The Multi-Disciplinary International Journal Devoted to the Study and Promotion of World Development*; Vol. 38, No. 5, pp. 756-770.
- Hilbert, M.; I. Miles; J. Othmer (09/2009). [Foresight tools for participative policy-making in inter-governmental processes in developing countries: Lessons learned from the eLAC Policy Priorities Delphi.](#)  
*Technological Forecasting & Social Change*, Vol. 76, issue 7, pp.157-178.

- Hilbert, M. (04/2009). [The Maturing Concept of e-democracy: From e-Voting and Online Consultations, to Democratic Value Out of Jumbled Online Chatter.](#)  
[Journal of Information Technology & Politics \(JITP\)](#), American Political Science Association, Vol. 6, issue 2; pp. 87-110.
- Hilbert, M. (02/2008). [Estrategias nacionales para el desarrollo digital en los países de América Latina y el Caribe.](#)  
[Política digital: edición especial sobre estrategias nacionales para la Sociedad de la Información](#), Number 42, Feb-Mar 2008, pp. 18-26.
- Hilbert, M. (10/2005). [Municipios digitales: la influencia de los proveedores.](#)  
[Política digital: innovación gubernamental](#), Number 26, pp. 56-58.
- Hilbert, M. (2004). [Comment on the Financing Aspect of the Information Society for Developing Countries.](#) The World Summit on the Information Society in Reflection,  
[Information Technologies and International Development \(ITID\)](#), MIT Press Journals, Spring/Summer 2004, Vol. 1, No. 3-4, pp. 79-80;

## Books

- In print                    **“Information Societies in Latin America and the Caribbean: Development of Technologies and Technologies for Development”**, editor and author  
*ECLAC books.*
- Peres, W. and M. Hilbert (02/2009). [“La sociedad de la información en América Latina y el Caribe: Desarrollo de las tecnologías y tecnologías para el desarrollo”](#); (388 pages), editor and author. 19 co-authors.  
[ECLAC books](#), N. 98, Secretariat of ECLAC; Spanish: LC/G. 2363-P, ISBN: 978-92-1-323177-7
- Hilbert, M. and O. Cairó (01/2009). [“¿Quo vadis Tecnología de la información y de las comunicaciones? Conceptos fundamentales, trayectorias tecnológicas y el Estado del Arte de los sistemas digitales”](#); (372 pages), editor and author. 17 co-authors.  
[Mayol Ediciones](#), with ECLAC, United Nations, ISBN: 978-958-8307-589
- Hilbert, M. (06/2007). [„Digital processes and democratic theory: Risks and opportunities of applying information and communication technologies to democratic institutions“](#);  
[Google Books, Online publication.](#)
- Hilbert, M. (02/2007). [“Digitalisierung demokratischer Prozesse. Gefahren und Chancen der Informations- und Kommunikationstechnologie in der demokratischen Willensbildung der Informationsgesellschaft”](#); (303 pages).  
[Duncker & Humblot](#), Beiträge zur Politischen Wissenschaft, Band 144, Berlin, Politikwissenschaften, ISBN 978-3-428-12423-7.
- Katz, J. and M. Hilbert (06/2003). [“Road Maps towards an information society in Latin America and the Caribbean”](#); (130 pages);

[“Los Caminos hacia una sociedad de la información en América Latina y el Caribe”](#); (129 pages)

[ECLAC books](#), N. 72, Secretariat of ECLAC; English: LC/G.2195/Rev.1-P/I, ISBN: 92-1-121389-4; Spanish: LC/G.2195/Rev.1-P/E, ISBN: 92-1-322191-6; Also published by [Alfaomega Editor Group, Economía América Latina, ISBN 958-682-479-9](#)

Hilbert, M. and J. Katz (01/2003). [“Building an Information Society: a Latin American and Caribbean perspective”](#); (336 pages); ECLAC UN, LC/L.1845/I.

## Conference and working papers

- 05/2011 **The world’s technological capacity to communicate, store and compute information:** measuring technological change in the digital age in bits and MIPS.  
[Annual Conference of the International Communication Association \(ICA\)](#)
- 11/2010 **Modeling seven different cognitive biases with one common framework:** reviving the information theoretic approach to human decision-making.  
Annual Meeting of the [Society for Judgment and Decision Making](#), St. Louis, 20-22 Nov.
- 10/2010 [The manifold definitions of the digital divide and their diverse implications for policy responsibility](#)  
[The 38th Research Conference on Communication, Information and Internet Policy \(TPRC\)](#), Arlington, USA, 1-3 October.
- 07/2008 **ICT innovation avenues and the amount of digital information:** Deepening comprehension of the digital paradigm  
[12th International Schumpeter Society Conference](#), Rio de Janeiro
- 07/2008 [From the Binary Digit to Technological Convergence](#): M.Hilbert and Osvaldo Cairó  
New Aspects of Systems. Mathematics and Computers in Science Engineering. A Series of Reference Books and Textbooks. WSEAS Press. New ISSN: 1790-2769. ISI Book. P.470-475. [Proceedings of the 12th WSEAS International Conference on systems](#), Greece
- 10/2007 [eLAC Policy Priorities Delphi: Latin American and Caribbean multi-stakeholder consultation for ICT policy priorities for the year 2010](#): Martin Hilbert and Julia Othmer  
Information Society Programme ECLAC working document, [PDF](#);  
Spanish version: [“Delphi de prioridades de políticas eLAC: Consulta multisectorial sobre prioridades de políticas TIC para el año 2010 en América Latina y el Caribe”](#), [PDF](#)
- 03/2006 [Centros de acceso público a las tecnologías de información y comunicación en América Latina: características y desafíos](#): Oscar Maeso and Martin Hilbert  
Information Society Series No. 11, ECLAC Project documents, LC/W.88, [PDF](#)
- 10/2005 [Development Trends and Challenges For Local e-Governments: Evidence From Municipalities in Chile and Peru](#)  
Information Society Series No. 6, ECLAC Project documents, LC/W.31, [PDF](#)
- 03/2005 [Estrategias Nacionales para la Sociedad de la Información en América Latina y el Caribe](#): Martin Hilbert, Sebastian Bustos and João Carlos Ferraz  
Information Society Series No. 2, ECLAC Project documents, LC/W.17, [PDF](#)
- 01/2005 [Benchmarking the Plan of Action of the World Summit on the Information Society \(WSIS\) in Latin America and the Caribbean](#): Martin Hilbert and Doris Olaya  
Information Society Series No. 1, ECLAC Project documents, LC/W.15, [PDF](#)
- 10/2002 [Toward a Conceptual Framework and Public Policy agenda for the Information Society in Latin America and the Caribbean](#): Martin Hilbert and Jorge Katz  
Productive Development Series ECLAC, No. 133, LC/L.1801-P/I, ISBN: 92-1-121374-6; [PDF](#)

- 09/2001 [3G Mobile Policy: The Cases of Chile and Venezuela](#); Ben Petrazzini and Martin Hilbert, ITU (International Telecommunication Union) Series of Telecommunication Case Studies, New Initiatives program, Office of the Secretary General; [PDF](#)
- 06/2001 [Latin America on its path into the digital age: where are we?](#)  
Productive Development Series ECLAC, No. 104, LC/L.1555-P/I, ISBN: 92-1-121309-6; [PDF](#)
- 02/2001 [From Industrial Economics to Digital Economics: An Introduction to the Transition](#)  
Productive Development Series ECLAC, No. 100, LC/L.1497-P/I, ISBN: 92-1-121297-9; [PDF](#)
- 10/2000 [In the Midst of the Transition: Challenges and Chances for Latin American Economies](#)  
[Connect-World and Telecom Magazine](#), Latin America Fourth Quarter Issue 2000: Consolidating the Gains and Delivering on the Promise, IV 2000

**TEACHING (underlined text is hyperlink enabled):**

- Fall & Spring 2010 [CMGT 582: Communication for International Development](#); Master  
Fall 2011 level course (4 credits) focusing on International and National Development, and digital innovation. *University of Southern California (USC), Los Angeles, USA.*
- 08/2008 [Avances y desafíos de las Sociedades de la Información en América Latina y el Caribe: Una perspectiva desde la CEPAL](#); Video Lectures United Nations ECLAC.
- 2001-2008 [Three lectures on Information Society development in Latin America: theory, stylized facts and policies](#); United Nations ECLAC Summer School on Latin American Economies.

**RESEARCH AND TECHNICAL ASSISTANCE PROJECTS (selected):**

- 01/2008 – 08/2008 **European and Latin American Alliance for the Information Society (@LIS2): Inclusive policy dialogue and exchange of experiences**  
Job description: Main negotiator of grant and related terms and conditions  
Joint resources: US\$ 18,000,000: European Commission and United Nations ECLAC.
- 11/2004 – 12/2007 **Policy and Regulatory Dialogue of the European and Latin American Alliance for the Information Society (@LIS)**  
Job description: Project Coordinator and researcher  
Joint resources: US\$ 5,500,000: European Commission and United Nations ECLAC.  
*Project results*: 8 books; 30 publications; 2 Regional Ministerial Conferences and 12 seminars; capacity-building for 320 policy makers; 4 cooperation projects with over 60 weeks technical assistance, 2 Regional Plans of Action for the Information Society in Latin America and the Caribbean (eLAC2007 and eLAC2010).
- 01/2004 – Oct/2007 **Observatory on the Information Society in Latin America and the Caribbean (OSILAC)**  
Job description: Project Coordinator and researcher  
Joint resources: US\$ 300,000: International Development Research Centre (IDRC, Canada) and UN ECLAC; already being renewed until 2010 with US\$ 1,200,000.  
*Project results*: 9 publications; 3 databases; 7 regional seminars; capacity-building for 80 statisticians of National Statistics Offices; leadership role in the definition of core indicators for ICT access and usage (officially adopted by UN Statistical Commission).

10/2006 – 12/2007 **Research cooperation UN ECLAC – Telefónica Foundation**

Job description: Lead Researcher and focal point from ECLAC

Joint resources: US\$ 83,000: Telefónica Foundation and UN ECLAC;

Project results: 1 book, including 34 international interviews, 1 Delphi exercise.

08/2006 – 12/2007 **Review of ICT-enabled development in Latin America and the Caribbean**

Job description: Researcher and focal point from ECLAC

Joint resources: US\$ 140,000: United Nations Development Programme (UNDP), Regional Dialogue on the Information Society (DIRSI) and UN ECLAC;

Project results: 23 country profile case studies; 3 thematic reports; summary report.

**LANGUAGES:**

<b>German:</b>	Native
<b>English:</b>	Fluent; GRE 96% (2007), United Nations Language Proficiency: UN Headquarters certified 2006
<b>Spanish:</b>	Fluent; United Nations Language Proficiency: UN Headquarters certified 01/2006
<b>Portuguese:</b>	Excellent; working knowledge
<b>Latin:</b>	Medium; Latinum magnum (five years)

**Other skills and interests:**

<b>Software literacy</b>	MATLAB; Network Analysis software UCINET, Gephi, PAJEK, SIENA; Agent-based model software NetLogo; LISREL (Linear Structural RELations), SPSS (Statistical Product and Service Solutions); Groupmind.
<b>Alumni AIESEC</b>	International Association of Students of Economic and Business Sciences, previously active in AIESEC Germany, Chile, Venezuela.

**CONFERENCE PRESENTATIONS (selected): ([hyperlink enabled](#))**

- 11/2010  
*St. Louis, USA* [Annual Meeting of the Society for Judgment and Decision Making](#); Modeling seven different cognitive biases with one common framework: reviving the information theoretic approach to human decision-making, SJDM
- 10/2010  
*Arlington, USA* [The 38th Research Conference on Communication, Information and Internet Policy \(TPRC\)](#); The Manifold Definitions of the Digital Divide and their Diverse Implications for Policy Responsibility, George Mason University
- 11/2007  
*Rio de Janeiro, Brazil* [Internet Governance Forum Brazil](#), Successful participative policy-making in the frame of the United Nations: eLAC multi-stakeholder Delphi, Government of Brazil and United Nations
- 12/2006  
*Hong Kong, China* [ITU Telecom World 2006](#) Universal, Ubiquitous, Equitable and Affordable Access, International Telecommunications Unions
- 09/2006  
*Bogotá, Colombia* [III International Encounter of Investigators](#), Knowledge, Innovation and Human development, Colombian Institute for the Development of Science and Technology, COLCIENCIAS
- 02/2006  
*New York, U.S.* [Columbia Institute for Tele-Information](#), Lunch Talk, Latin American and Caribbean Information Societies: Challenges and Opportunities for a Developing Region, Columbia Business School, Columbia University
- 06/2005  
*Rio de Janeiro, Brazil* [Regional Preparatory Ministerial Conference of Latin America and the Caribbean](#) for the World Summit on the Information Society; Government of Brazil and ECLAC
- 04/2005  
*Managua, Nicaragua* [Technical Meeting on E-Government in Central America](#), Nicaraguan Council of Science and Technology, Division for Public Admin. and Dev. Management, DESA United Nations
- 11/2004  
*Cusco, Peru* [III Summit of Presidents](#) of European telecommunications regulatory agencies and Latin American regulators; Independent Regulators Group Europe IRG and Regulatel
- 06/2004  
*Sao Paulo, Brazil* [UNCTAD XI](#), Implementing the WSIS Plan of Action, issues for trade and development; United Nations Conference on Trade and Development
- 10/2003  
*Rome, Italy* [Capacity Building Programme for Caribbean Diplomats](#), United Nations Institute for Training and Research (UNITAR)
- 06/2003  
*San Juan, Puerto Rico* [Association of Caribbean University, Research and Institutional Libraries](#), ACURIL XXXIII
- 02/2003  
*Beirut, Lebanon* [Regional Preparatory Ministerial Conference of Western Asia](#) for the World Summit on the Information Society; Government of Lebanon and UN ESCWA
- 09/2002  
*Brasília, Brazil* [OECD Global Forum](#): Policy Frameworks for the Knowledge-based Economy: ICTs, Innovation and Human Resources; Organization for Economic Co-operation and Development
- 05/2002  
*Curaçao, Nethl.Antilles* [UNCTAD Regional High-Level Workshop](#) on Electronic Commerce and ICT for Central America and the Caribbean, United Nations Conference on Trade and Development
- 04/2002  
*Valencia, Spain* [III Iberoamerican Encounter of Digital Cities](#); Asociación Hispanoamericana de Centros de Investigación y Empresas de Telecomunicaciones (AHCJET)
- 11/2001  
*La Paz, Bolivia* **IV Latin-American Forum for Telecommunications Regulator Bodies**: Closing the Digital Divide; Foro Latinoamericano de Entes Reguladores de Telecomunicaciones (REGULATEL)
- 10/2001  
*La Habana, Cuba* **V Presidents' Summit** of the Hispanoamerican Association of Research Centers and Telecommunication Enterprises (AHCJET)
- 10/2001  
*Washington D.C, U.S* **Expert Workshop on the construction of Health Services ICT Indicators**, Pan American Health Organization (PAHO), Regional Office of the World Health Organization (WHO)
- 03/2001  
*Paris, France* **Joint OECD/ UN/ UNDP/ World Bank Global Forum**, Exploiting the Digital Opportunities for Poverty Reduction, Organization for Economic Co-operation and Development, UN, UNDP, World Bank