

CURRICULUM VITAE

Prof. Dr. Najib Harabi
Reinhold Frei-Strasse 70
8049 Zurich/Switzerland
Tel.: (044) 272 4675 home
Fax: (044) 272 4675 home
E-mail: nharabi@swissonline.ch

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Current Position

University of Applied Sciences of Northwestern Switzerland,
Full Professor of Economics at the School of Business, 1997-

Previous Visiting Positions

Al Akhawayn University, Ifrane, Morocco
Dean and Professor at the School of Business Administration, 2004/05 (on leave of absence)

World Bank Group, Washington DC
Visiting Scholar in the Middle East and North Africa Region, Winter 2003/2004

International Monetary Fund, Washington DC
Visiting Scholar at the Research Department, Fall 2002 & Winter 2003/2004

Institut National de Statistique et d'Economie Appliquée (INSEA), Rabat Morocco
Visiting Research Professor, Winter 2003/04

Free University of Brussels (ULB)
Visiting Professor of Economics, Fall 2001

University of West Indies Guadeloupe
Visiting Professor of Economics, Winter 2000

University Paris Dauphine, France
Visiting Professor of Economics, Winter 1997

Center for European Economic Research (ZEW), Mannheim, Germany
Visiting Professor, Summer 1996 & Winter 1999

Stanford University, USA
Visiting Scholar at the Center for Economic Policy Research, 1989-1990

University of California at Berkeley, USA
Visiting Scholar at the Department of Economics 1987-1990

Previous Permanent Positions

University of Zurich, Switzerland
Deputy Director of the Institute of Economics, 1990-96
Research Associate at the Institute of Economics, 1990-96
Lecturer at the Economics Department, 1990-96

Swiss Federal Institute of Technology Zurich (ETH), Switzerland
Lecturer of Development Economics (part-time) at the Postgraduate Course on Developing Countries (NADEL), 1992-2000

Swiss National Science Foundation, Bern, Switzerland
Deputy Director of the Research Program No 9, 1983-1987

University of Saint Gall (HSG), Switzerland
Lecturer at the Economics Department, 1985-1987

University of Zurich, Switzerland
Research Assistant at the Institute of Statistics and at the Institute of Economics, 1978-83
Lecturer at the Economics Department, 1979-1987

Education

Post-doctoral study at the University of California, Berkeley, and at Stanford University, USA, 1987-1990

Ph.D. in Economics (Dr. oec. publ.), University of Zurich, Switzerland, magna cum laude, 1976-1982

M.S. in Economics (Lic.oec.publ.), University of Zurich, Switzerland, magna cum laude, 1972-76

High School (Lycée Moulay Slimane), Fès, Morocco, 1965-1972

Knowledge of Languages

English, German, French, Arabic

Teaching Experience

25 years of teaching experience. Courses taught at different levels (undergraduate/graduate) and in different languages (German, English, and French):

- Principles of Economics
- Microeconomics
- Macroeconomics
- Industrial Economics (Industrial Organization)
- Economics of Innovation & Technological Change
- Development Economics
- Economics of the Arab world
- Political Economy/Economic Policy
- Social Policy
- Statistics
- Applied Econometrics

Management Experience

Experience of 20 years in managing people, projects and programs:

- Head of the Economics Group at the School of Business Administration, 1997- 2001
- Research Director at the School of Business Administration, 1997-2000
- Deputy-Director of the Institute of Economics, University of Zurich, Switzerland 1990-96
- Deputy-Director of the Research Program No 9 at the Swiss National Science Foundation, Bern, Switzerland, 1983-1987
- Chairman of the Advisory Group of the Economic Research Forum (ERF)
- Member of the Board of Trustees of Economic Research Forum (ERF)
- Acquisition and management of the following research projects:

Project Title	Supporting Institution	Time Frame
Market Structure, Innovation and International competitiveness of the Swiss Industry	Swiss National Science Foundation, Bern, Switzerland	1984-86
Determinants of Industrial R&D- An Empirical Analysis for Switzerland	Swiss National Science Foundation, Bern, Switzerland	1987-90
Formation of New Firms in Switzerland	Cantonal Bank of Bale and others	1998-2000
Electronic Commerce and Telework Trends (ECATT)	European Commission, Brussels	1999-2002
Statistical Indicators for Benchmarking Information Society (SIBIS)	European Commission, Brussels	2001-2004
The Impact of Clean Production on Employment in Europe (IMPRESS)	European Commission, Brussels	2000-2003
Cultural Industries in Selected Arab Countries	World Intellectual Property Rights Organization (WIPO), Geneva	2001-2004
Explaining Economic Growth in Morocco	Economic Research Forum (ERF) and Global Development Forum (GDN)	2001-2003
Economic Performance of Arabic Translation Industry	World Bank, Washington	2005-2006
State of Corporate Governance in MENA Countries	World Bank, Washington	2006-2007

Consulting Experience

- United Nations Development Program (UNDP), New York, 1996
- German Foundation for International Development, Berlin, 1996
- World Intellectual Property Rights (WIPO), Geneva, 2001/04
- World Bank, Washington, 2003/04/05
- United Nations Conference for Trade and Development (UNCTAD), 2006/07

Refereeing Experience

Long-term referee of the following journals and scientific conferences:

- Journal of Agricultural and Food Industrial Organization
- Research Policy (Journal)
- Economics of Innovation and New Technology (Journal)
- Annual conferences and research competitions of the Economic Research Forum (ERF)
- Annual conferences of the Applied Econometrics Association,
- Annual conferences of the European Association for Research in Industrial Economics (EARIE)
- Research competitions of the Global Development Network (GDN), Washington, USA

Honors, Prizes, Fellowships and Grants

Grants:

- Swiss National Science Foundation research grant for conducting a project on “Market Structure, Innovation and International Competitiveness in Swiss Industry”, November 1984- October 1985, with Thomas Wells and Marc Reichle (Grant No. 1.912-084).
- Holder Bank-Foundation for the Advancement of Scientific Research grant for conducting a project on “Technical Change in Swiss industry”, 1988.
- Swiss Academy of Humanities and Social Sciences, Bern: Grant to participate at the International J.A. Schumpeter Society Conference in Kyoto, Japan, 19-22. August 1992.
- Vontobel Bank Foundation grants for publishing two books, (1) “Wettlauf um die Schweiz 2000. Herausforderungen für eine zerissene Schweiz, published by Verlag der Fachvereine vdf, Zurich“, and (2) „Sozialpolitik in der Bewährung: Herausforderung an Wirtschaft, Wissenschaft und Politik an der Schwelle zum 21. Jahrhundert, published by Haupt Verlag, Berne 1998“.
- University of Zurich, Commission for Interdisciplinary Studies, grant for organizing an international conference and subsequently publishing a book on Kreativität - Wirtschaft - Recht (Creativity - Economics Law) published by Verlag der Fachvereine vdf, Zurich 1996“.
- Cantonal Bank of Bale grant for conducting a project on “ Formation of New Firms in Switzerland“, 1998-2000.
- European Commission, Brussels, grants for conducting the three projects, “ECATT” (1999-2002), IMPRESS (2000-2003) and SIBIS (2001-2004); for more details, see above.
- World Intellectual Property Rights (WIPO), Geneva, grant for conducting a project on “Cultural Industries in Selected Arab Countries”, 2001-2003.
- Global Development Forum (GDN), grant for conducting a project on “ Explaining Economic Growth in Morocco”, 2001-2003.

Honors, Prizes, Fellowships:

- Government of Switzerland Fellowship/Scholarship to prepare a Ph.D. in economics at the University of Zurich, 1976-1978.
- Election by Students and Faculty of the Anthropology Department at the University of Zurich for teaching at their department during the academic year 1984-1985.
- Swiss National Science Foundation, Bern, Fellowship for Advanced Studies in Human and Social Sciences, 1987- 1990, (Fellowship No 81.355.086).
- Economic Research Forum (ERF) for the Arab Countries, Iran and Turkey

Nomination as Research Fellow and member of the Advisory Committee, 1993-96,
Nomination as chairman of the Advisory Committee, September 1996-2000,
Nomination as member of the Board of Trustees, 2000-present,
Chairman of the Evaluation Committee, 2002-04.

- Forum Engelberg, Switzerland
Nomination as a member of the Organizing Committee 1996.
- Applied Econometrics Association,
Nomination as a member of the Scientific Committee of the International Conference on
Innovation and Patents, June 1996,
Nomination as a Member of the Scientific Committee of the International Congress on
Policy Reforms, Growth and Development, Morocco, 20-22 September 2001
- Best Paper Award from the International Association For Management of Technology,
during the 5th International Conference on Management of Technology, Miami, Florida,
February 29, 1996. The paper awarded is entitled “Channels of R&D Spillovers: An
Empirical Investigation of Swiss Firms“.
- European Summer School on Industrial Dynamics ESSID
Nomination as a Faculty member, 1997- present,
- European Association for Research in Industrial Economics (EARIE)
Nomination as a member of the Scientific Committee, 2000.
- Swiss Commission for Research Partnership with Developing Countries. Nomination as a
member, 2000-present.
- Finalist of the GDN Award for Outstanding Research in the field of “Science and
Technology for Development”, Tokyo 2000. The paper awarded is entitled “ “Innovation
Through Vertical Relations between Firms, Suppliers and Customers: Lessons From
Germany”
- Finalist of the IMF/GDN Research Fellowship Competition, Washington, 2002.
- Nomination as a member of the “Comite de Pilotage” de L’Institut d’Analyse
Economique et des Etudes Perspectives (IEAPS), American (Al Akhawayn) University,
Ifrane, Morocco, 2002 -
- World Bank Group. Nomination as a member of the Country Policy and Institutional
Assessment Expert Panel Review, 2004
- Nomination by Swiss Government as an official member of the Board of Trustees of the
Economic Research Forum (ERF), 2005-
- Nomination as Chairman of the Advisory Board of the Middle East and North Africa
Health Forum (MENAHF), (main sponsor: UK Department of Health and World Health
Organization), 2006-

Professional Affiliations

Member of the American Economic Association, 1988-

Member of the European Association for Research in Industrial Economics (EARIE), 1985-

Member of the International Schumpeter Society, 1988-

Member of the OECD-Group of National Experts on Science and Technology Indicators“
(NESTI), 1989-90

Member of the Swiss Society of Statistics and Economics, 1990-

Research Fellow of the Economic Research Forum for the Arab Countries, Iran and Turkey.
1993-

List of Publications

Books

- 1982 Agrarpolitik in Marokko (1956-1980) - Analyse aus entwicklungspolitischer Sicht (Agricultural Policy in Morocco (1956-1980) - An Analysis from the Perspective of Development Economics)
PhD-Thesis at the University of Zurich, published by the Zentralstelle der Studentenschaft der Universität Zurich.
- 1983 Arbeitsmarktstrukturen und -prozesse. Beiträge zu Analyse und Politik (Structure and Development of Labor Markets - Contributions to Analysis and Policy)
Co-editor with Heidi Schelbert and Philip Halbherr, published by Verlag Rüegger, Grösch.
- 1985 Makromodelle und Wirtschaftspolitik. Ergebnisse für die Schweiz (Macroeconomic Models and Economic Policy - Empirical Results for Switzerland)
Co-editor with Heidi Schelbert and Philip Halbherr, published by Verlag Rüegger, Grösch.
- 1985 Schweizerische Volkswirtschaft unter Innovationsdruck (Swiss Economy under Innovation Pressures)
Co-editor with Heidi Schelbert and Philip Halbherr, published by Paul Haupt-Verlag, Berne.
- 1985 Mikroökonomik des Arbeitsmarktes. Theorien, Methoden und empirische Ergebnisse für die Schweiz (Microeconomics of Labour Markets - Theory, Methods and Empirical Results for Switzerland)
Co-editor with Heidi Schelbert, Niklaus Blattner and Philip Halbherr, published by Paul Haupt-Verlag, Berne.
- 1987 Brennpunkte der Schweizerischen Wirtschaftspolitik (Current Issues of Swiss Economic Policy)
Co-editor with Heidi Schelbert and Philip Halbherr, published by Verlag Industrielle Organisation, Zurich.
- 1988 Schweizerische Wettbewerbsfähigkeit auf dem Prüfstand - Herausforderung an Wirtschaft, Wissenschaft und Politik (Competitiveness of Swiss Economy - Challenges for Business, Science and Politics)
Co-author with Philip Halbherr and Martin Bachem, published by Paul Haupt-Verlag, Berne.

- 1988 La compétitivite de la Suisse en question: Un defi pour la politique, l'economie et la science.
French translation of „Competitiveness of Swiss Economy - Challenges for Business, Science and Politics“ published by Georg Editeur, Geneva.
- 1992 Wettlauf um die Zukunft der Schweiz. Die Rolle der technologischen Forschung und Entwicklung (Race for the Future of Switzerland. Role of Technological Research and Development)
Co-editor with Günther Cyranek,
published by Verlag der Fachvereine vdf, Zurich.
- 1994 Technischer Fortschritt in der Schweiz . Eine empirische Analyse aus industrieökonomischer Sicht. Publikationsreihe C,Wirtschaftswissenschaftliches Institut der Universität Zürich, Nr. 15. Zürich
(Technical Progress in Switzerland: An Empirical Analysis from Industrial Economics Perspective. Publication of the Institute of Economics at the University of Zurich, Series C, No. 5)
- 1995 Wettlauf um die Schweiz 2000. Herausforderungen für eine zerissene Schweiz.(Race for Switzerland 2000 - Challenges for a Torn Country)
Editor,
published by Verlag der Fachvereine vdf, Zurich.
- 1996 Kreativität - Wirtschaft - Recht (Creativity - Economics - Law)
Editor,
published by Verlag der Fachvereine vdf, Zurich
- 1998 Sozialpolitik in der Bewährung: Herausforderung an Wirtschaft, Wissenschaft und Politik an der Schwelle zum 21. Jahrhundert (Social Policy: Challenges for Business, Science and Politics)
Editor,
published by Haupt Verlag, Berne
- 2000 Benchmarking Telework and E-Commerce in Europe. ECATT Final Report.
Published by the European Commission, Brussels.
(With ECATT Consortium Members)
- 2004 Internet For Research. Report Published by the European Commission, Brussels.
(With Franz Barjak)
- 2004 Copyright Industries in Selected Arab Countries. Study supported and published by the World Intellectual Property Organization (WIPO), Geneva.

Published Papers

- 1985 Diffusion neuer Technologien in der Schweiz,“ („Diffusion of New Technologies in Switzerland“)
in: H. Schelbert, N. Harabi and Ph. Halbherr, eds.
Schweizerische Volkswirtschaft unter
Innovationsdruck, Paul Haupt-Verlag, Berne
(with Philip Halbherr)
- 1987 „Steuern und Wirtschaftswachstum - Empirische Ergebnisse für die Schweiz,“ (Taxes and Economic Growth - Empirical Results for Switzerland)
in: H. Schelbert, N. Harabi and, Ph. Halbherr eds.,
Brennpunkte der Schweizerischen Wirtschaftspolitik,
Verlag Industrielle Organisation, Zurich.
- 1988 „Technischer Fortschritt in der Schweiz“ („Technical Progress in Switzerland“)
in: Schweizerische Wettbewerbsfähigkeit auf dem Prüfstand - Herausforderung an Wirtschaft, Wissenschaft und Politik,
by Philip Halbherr, Najib Harabi and Martin Bachem,
Paul Haupt-Verlag, Berne.
- 1988 „Folgen von Preisvariationen bei wichtigen Rohstoffen und Energieträgern für die schweizerische Volkswirtschaft“ („Consequences of Commodities' and Eenergy' Price-fluctuations for the Swiss Economy“)
in: Schweizerische Wettbewerbsfähigkeit auf dem Prüfstand - Herausforderung an Wirtschaft, Wissenschaft und Politik,
by Philip Halbherr, Najib Harabi und Martin Bachem,
Paul Haupt-Verlag, Berne.
- 1988 „Der Schweizerische Arbeitsmarkt unter dem Einfluss staatlicher Regulierungen“ („Swiss Labour Market under the Influence of State Regulations“)
in: Schweizerische Wettbewerbsfähigkeit auf dem Prüfstand - Herausforderung an Wirtschaft, Wissenschaft und Politik,
by Philip Halbherr, Najib Harabi und Martin Bachem,
Paul Haupt-Verlag, Berne.
- 1989 „Technical Progress in Switzerland: Empirical Analysis of Developments in the Swiss Economy“,
in: The Worker in Transition: Technological Change,
eds. T.J. Kozik and D. G. Jansson. New York, N.Y.:
The American Society of Mechanical Engineers.
- 1991 „Einflussfaktoren von Forschung und Entwicklung in der

- Schweizer Industrie: Ergebnisse einer schriftlichen Expertenbefragung“ (Influencing Factors of Research and Development - Results of a Survey in Swiss Industry“)
in: Die Unternehmung - Schweizerische Zeitschrift für betriebswirtschaftliche Forschung und Praxis, No.5, 1991, pp.349-368.
- 1992 „Determinants of Technical Change: Empirical Evidence from Switzerland“
in: Empirica, 19: 221-244.
- 1992 „Determinanten industrieller Forschung und Entwicklung: Empirische Ergebnisse für die Schweiz“ („Determinants of Industrial Research and Development - Empirical Results for Switzerland“)
in: Wettlauf um die Zukunft der Schweiz. Die Rolle der technologischen Forschung und Entwicklung, eds. Cyranek, G. and Harabi, N., Zurich: vdf-Verlag
- 1994 „Sources of Technical Progress - An Empirical Analysis of Swiss Industry“,
In: University and Enterprise in a New Competitive Scenario, ed. UN/UNCTAD, Geneva.
- 1995 „Technischer Fortschritt - Ein Schlüsselfaktor für die Schweizer Wirtschaft“ (Technical Progress - A Key Factor for the Swiss Economy“),
in: Wettlauf um die Schweiz 2000. Herausforderungen für eine zerissene Schweiz, ed. N. Harabi. vdf-Verlag, Zurich
- 1995 „Appropriability of Technical Innovations - An Empirical Analysis“,
In: Research Policy, 24: 981-992
- 1995 „Sources of Technical Progress - An Empirical Investigation“,
In: Economics of Innovation and New Technology, 4: 67-77
- 1996 „Determinanten des technischen Fortschritts: eine industrieökonomische Analyse“ (Determinants of Technical Change: An Analysis from the Perspective of Industrial Organization),
in: Kreativität - Wirtschaft - Recht, ed. N. Harabi, vdf-Verlag, Zurich.
- 1997 „Channels of R&D Spillovers: An Empirical Investigation of Swiss Firms“,
In: Technovation - The International Journal of Technological Innovation, Entrepreneurship and Technology Management, 17: 627-635
- 1997 „Facteurs Déterminants de la R&D“
(Influencing Factors of R&D), in: Revue Française de Gestion, 114: 39-51
- 1997 „Der Beitrag von Profit- und Nonprofit-Organisationen zum Technischen Fortschritt:

- Ergebnisse aus der Schweiz“ (Contribution of Profit and Nonprofit Organizations to Technical Change: Empirical Results from Switzerland),
in: Festschrift zum 60.Geburtstag von Professor Antonin Wagner, Zurich
- 1998 “Innovation Through Vertical Relations between Firms, Suppliers and Customers: A Study of German Firms“, Industry and Innovation, Volume 5, Number 2, December
- 2000 “Die Neuen Selbständigen” („The New Independents“) I, in KMU- Das Magazin für Unternehmer, Geschäftsführer, Höheres Kader, 3: 68-70.
- 2001 „Forschungsprojekt: E-Commerce in der Schweiz“, in: Markterfolg dank Datenschutz, Teradata (eds.) (2001). Zurich: Edition Matek
- 2002 “The Impact of Vertical R&D-Cooperation on Firm Innovation: An Empirical Investigation”, in: Economics of Innovation and New Technology, 11:93-108
- 2002 „E-Commerce-Fallstudie 1998-2001: Von net-tissimo zu net-promotions“ in: Elektronische Marktplätze, H.Heilmann (ed.). Special issue of Praxis der Wirtschaftsinformatik HMD 223. Heidelberg: dpunkt.verlag.
- 2002 „Telework- Die Schweiz an der europäischen Liste mit dabei“ (Telework- Switzerland among the top in Europe“, in Polyscope, 3:14-16.
- 2003 „Employment Impacts of Cleaner Production: Case of Switzerland, in: Rennings, K. and T. Zwick (eds.), Employment Impacts of Cleaner Production. Publication Series of the Center for European Economic Research (ZEW), Mannheim, Germany.
- 2007 “Copyright-based Industries in Arab Countries, in: Barrowclough, D. et al. (editors), Creative Industries and Developing Countries: Voice, Choice and Economic Growth. Routledge Studies in Contemporary Political Economy, 2007.
- 2007 “Picking Winners and Losers: An Empirical Analysis of Industrial Policy in Morocco”, in: Ahmed Galal (Ed.), Industrial Policy in the Middle East and North Africa. Rethinking the Role of the State. American University in Cairo Press: Cairo

Working Papers

- 1985 „Markstrukturen, Innovationsdynamik und Internationale Wettbewerbsfähigkeit in der Schweizer Industrie“ (Market Structure, Innovation and International Competitiveness of Swiss Industry)
Final Report of the Research Project No. 1912-084 supported by Swiss National Science Foundation (Department I) and published by the St. Galler Zentrum für Zukunftsforschung, 1985 (with Th. Wells and M. Reichle).
- 1988 „Einflussfaktoren von Forschung und Entwicklung in der

- Schweizer Industrie. Schriftliche Befragung zu einer laufenden Untersuchung“ (Influencing Factors of Research and Development in Swiss Industry- a Postal Survey)
A Document published by the Institute of Commerce at the University of Zurich, 1988.
- 1990 „Einflussfaktoren von Forschung und Entwicklung in der Schweizer Industrie: Ergebnisse einer schriftlichen Expertenbefragung“ (Influencing Factors of Research and Development - Results of a Survey in Swiss Industry“)
Working paper No. 13, Institute of Economics at the University of Zurich, September 1990.
- 1991 „Innovation versus Imitation: Empirical Evidence from Swiss Firms“
Working Paper No. 15, Institute of Economics at the University of Zurich, September 1991.
- 1991 „Determinanten des technischen Fortschritts - Eine empirische Analyse für die Schweiz“ (Determinants of Technical Change: Empirical Evidence from Switzerland)
Working Paper No. 16, Institute of Economics at the University of Zurich, 1991.
- 1992 „Determinanten des technischen Fortschritts - Eine empirische Analyse für die Schweiz“ (Determinants of Technical Change)
Second Version
Working Paper No. 21, Institute of Economics at the University of Zurich, 1992.
- 1992 „Appropriability, Technological Opportunity, Market Demand and Technical Change: Empirical Evidence from Switzerland“,
Working Paper No. 22, Institute of Economics at the University of Zurich, August 1992.
- 1992 „Technischer Fortschritt in der Schweiz: Empirische Ergebnisse aus volkswirtschaftlicher Sicht“(Technical Change in Switzerland: Empirical Results from Macroeconomic Perspective)
Working Paper No. 24, Institute of Economics at the University of Zurich, October 1992.
- 1993 „Technischer Fortschritt in der Schweiz: Ein kurzer Überblick“ (Technical Progress in Switzerland: A Survey)
Working paper No. 26, Institute of Economics at the University of Zurich, 1993.
- 1993 „Aneignung der Erträge aus technischen Innovationen: Eine empirische Analyse“ (Appropriability of Technical Innovations - An Empirical Analysis)
Working paper No. 27, Institute of

Economics at the University of Zurich, 1993.

- 1993 „Technologische Chancen und technischer Fortschritt: Eine empirische Untersuchung“ (Technological Opportunities and Technical Change)
Working paper No. 28, Institute of Economics at the University of Zurich, 1993.
- 1993 „Sources of Technical Progress: An Empirical Investigation“
Working Paper No. 31, Institute of Economics at the University of Zurich, 1993.
- 1993 „Appropriability of Technical Innovations - An Empirical Analysis“
Working paper No. 32, Institute of Economics at the University of Zurich, 1993.
- 1993 „Facteurs déterminant la recherche et le développement dans l'industrie. Résultats d'une enquête sur l'industrie Suisse“ (Influencing Factors of Research and Development - Results of a Survey in Swiss Industry)
Working paper No. 33, Institute of Economics at the University of Zurich, 1993.
- 1995 „Channels of R&D Spillovers: An Empirical Investigation“
Working paper No. 37, Institute of Economics at the University of Zurich, 1995.
- 1995 „Determinanten des technischen Fortschritts: eine industrieökonomische Analyse“ (Determinants of Technical Change: An Analysis from the Perspective of Industrial Organization)
Working Paper No. 29, Institute of Economics at the University of Zurich, 1992.
- 1996 „Vertical Relations between Firms: An Empirical Investigation“
Working Paper, Center for European Economic Research, Mannheim.
- 1999 “Impact of R&D-Cooperation on Firm Innovation”, Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland
- 2000 “Die neuen Selbständigen: Eine empirische Studie“ (Growth of Newly Founded Firms: an Empirical Analysis), Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland (with Rolf Meyer).
- 2000 Frauen Power unter der Lupe: Geschlechtsspezifische Unterschiede der Jungunternehmerinnen und -unternehmer. Ergebnisse einer empirischen Untersuchung“, (Growth of Women's Newly Founded Firms: an Empirical Analysis), Working Paper of Solothurn University of

Applied Sciences, School of Economics and Business Administration,
Olten/Switzerland (with Rolf Meyer).

- 2000 Der Einfluss der Beratung, Weiterbildung und des Beziehungsnetzes auf den Erfolg junger Unternehmen, (The Impact of Advise, Continuous Training and Private Networks on the Success of Jung Firms Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland (with Rolf Meyer).
- 2000 Einführung und Verbreitung von Electronic Commerce: Ergebnisse einer empirischen Untersuchung „(„Diffusion of Electronic Commerce: An Empirical Analysis“), Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland (with Rolf Schoch and Frank Hespeler).
- 2001 „Diffusion der Telearbeit - Wo steht die Schweiz im internationalen Vergleich? („Diffusion of Tework: An Empirical Analysis“), Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland. (with Rolf Schoch and Frank Hespeler).
- 2002 “Formation of New Businesses: An Empirical Analysis from Switzerland. Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, (Nr. 2001-06), Olten/Switzerland.
- 2001 “Electronic Commerce in der Schweiz: Lehren aus Einzelfallstudien (Electronic Commerce in Switzerland: Lessons from Case Studies“). Discussion Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, (Nr. 2001-03),). Olten/Switzerland. (with Frank Hespeler).
- 2001 “Employment Effects of Ecological Innovations. An Empirical Analysis”, Working Paper Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, (Nr. 2000-07), Olten/Switzerland
- 2001 “Introduction and Diffusion of Electronic Commerce. What is Switzerland’s Position in an International Comparison? Results of an Empirical Study”. Working Paper of Solothurn University of Applied Sciences, School of Economics and Business Administration, Olten/Switzerland, (Nr. 2001-02), (mit Rolf Schoch and Frank Hespeler).
- 2002 “Determinants of Firm Growth: An Empirical Analysis from Morocco. Paper prepared for Economic Research Forum (ERF) and Global Development Network
- 2005 “Economic Performance of the Arabic Translation Industry in Arab Countries”. Paper prepared for the World Bank
- 2006 “Explaining Moroccan Economic Growth. Paper prepared for Economic Research

2007

Published Comments and Reviews

- 1984 „Informationspolitik des Nationalfonds. Umsetzungskonzept der Nationalfonds-Studie ‘Auswirkungen der technischen Entwicklungen in der Mikroelektronik auf Wirtschaft und Arbeitsmarkt in der Schweiz’“ („Information Policy of the Swiss National Science Foundation. The Case of the Study ‘Consequences of Microelectronics for the Economy and Labor Market in Switzerland’“),
in: PR-Revue No. 120, October 1984.
- 1984 „Interdependenzen der Schweizer Volkswirtschaft. Schätzungen einer Matrix der technischen Koeffizienten für die Schweiz“ („Interdependencies in the Swiss Economy. Estimates of Technical Coefficients for Switzerland“)
in: Informationsbulletin Nr. 6 der Programmleitung des NPF 9. Zurich 1984.
- 1984 Comments on „Konjunkturpolitik und Wechselkursentwicklung“ (Business cycle policy and foreign exchange rate Development“) by Heidi Schelbert and Werner Inderbitzin, eds., Verlag Rtegger, Diessenhofen, 1983.
In: Swiss Journal of Economics and Statistics No. 4, 1984 (with Ph. Halbherr)
- 1985 „Ist strukturelle Arbeitslosigkeit ein Alibi für die Wirtschaftspolitik?“ (Is Structural Unemployment an Alibi for Economic Policy?),
in: Wirtschaftspraxis, Revue de l'Association Suisse des Economistes, April-May 1985 (with Ph. Halbherr)
- 1987 „Technischer Fortschritt in der Schweiz: Empirische Ergebnisse aus volkswirtschaftlicher Sicht“ (Technical Change in Switzerland: Empirical Results from a Macroeconomic Perspective),
in: Dokumentation zur Wirtschaftskunde No. 107,
Edited by the „Gesellschaft zur Förderung der Schweizerischen Wirtschaft“, Zürich, Februar 1987.
- 1991 Comments on „Technologischer Wandel und Beschäftigung. Fakten, Analysen, Trends“, (Technological Change and Employment. Facts, Analysis, Trends) by Schettkat, R. and Wagner, M., eds, Berlin, New York: Walter de Gruyter, 1989,
in: Swiss Journal of Economics and Statistics No. 4 1991.
- 1992 Comments on „Main d'oeuvre étrangère. Une analyse de

l'economie suisse (Foreign Labor: An Analysis of the Swiss Economy) by Bürgenmeier, B. ed., Paris: Economica, 1992, in: Swiss Journal of Economics and Statistics No 4, 1992.

1993 „Technischer Fortschritt in der Schweiz: Ein kurzer Überblick“ (Technical Progress in Switzerland: A Survey, in: Dokumentation zur Wirtschaftskunde No.7/8, edited by the „Gesellschaft zur Förderung der Schweizerischen Wirtschaft“, Zurich, February 1993.

1994 Comments on „Services in Switzerland. Structure, Performance, and Implications of European Economic Integration“. by Peter Zweifel (ed), Berlin u.a.: Springer Verlag, 1993, in: Swiss Journal of Economics and Statistics No. 4, 1994.

Conferences, Workshops and Seminars

- 1986 „Technical Progress in Switzerland: Empirical Analysis of Developments in the Swiss Economy“. Paper presented at the 3rd Annual Conference of the European Association for Research in Industrial Economics (EARIE), Berlin 1986.
- 1988 „Morocco Facing External Debt Problem“. Paper presented at the Twenty-Second Annual Meeting of the Middle East Studies Association of North America, in Beverly Hills, Los Angeles November 1988.
- 1988 „Food Subsidies and Food Consumption - Case of Morocco“. Paper presented at the 21st. Annual Convention of The Association of Arab-American University Graduates, San Francisco, 10-13 November 1988.
- 1989 „Patents in Theory and Practice - Empirical Evidence from Switzerland“. Paper presented at the 16th Annual Conference of The European Association for Research in Industrial Economics (EARIE), Budapest 1989.
- 1990 „Appropriability of Technological Innovations - An Empirical Analysis“. Paper presented at the International Schumpeter Society Meeting, Virginia (USA), and 3-5 June 1990.
- 1991 Annual Meeting of the OECD-Group National Experts on Science and Technology Indicators (NESTI) Paris (France), 10-12 April 1991.
- 1991 „Einflussfaktoren von Forschung und Entwicklung in der Schweizer Industrie: Ergebnisse einer schriftlichen Expertenbefragung“, paper presented at the conference „Technologische Forschung und Entwicklung - Wettlauf um die Zukunft der Schweiz“, Gottlieb Dutweiler Institute, Rüslikon/Zürich, November 4, 1991.
- 1991 Workshop on Literature-based Innovation Output Indicators, organized by the Commission of the European Communities Joint Research Center, Institute for Prospective Technological Studies (PROMPT). Ispra (Varese), Italy, 28- 29 November 91.
- 1991 International Conference on „Technology Transfer for Development? - The Prospects and Limits of Information Technology“
Chairman of the Session: „Industrial Production and Services“ Gottlieb Dutweiler Institute, Rüslikon/Zürich, 5-6 December 1991.
- 1992 „Determinanten des technischen Fortschritts - Empirische Analyse für die Schweiz“, paper presented at the annual Conference of the „Studiengruppe für theoretische Nationalökonomie der Schweizerischen Gesellschaft für Volkswirtschaft und Statistik“. Puidoux (Schweiz), 3-4 April, 1992.
- 1992 Engelberg-Forum 1992, Workshop on the Economic Evaluation of Academic Research (CERN, Geneva), with Zvi Griliches (Harvard University) and Henri Capron (University de Brussels). Engelberg (Switzerland), 24-27 March, 1992.
- 1992 Annual Meeting of the OECD-Group National Experts on Science and Technology Indicators“ (NESTI), Paris, 7-9 April 1992.
- 1992 „Determinanten des technischen Fortschritts - Empirische Analyse für die Schweiz“, paper presented at the workshop organized by. Prof. Dr. Hanusch (University of Augsburg) Sion (CH-Wallis), 9-10 May 1992.
- 1992 „Appropriability of Technological Innovations: Evidence from Swiss Firms“. Paper presented at the International Seminar on Technological Appropriation, organized by l 'Institut National de la Statistique et des Etudes Economiques. Paris, 9-10 June, 1992.

- 1992 „Determinants of Technological Progress“, paper presented at the Industrial Organization Conference, organized by the Austrian Economic Association Vienna, 24-26 June 1992.
- 1992 „Appropriability, Technological Opportunity and Technical Change: Empirical Evidence from Switzerland“, paper presented at the International Schumpeter Society Conference, Kyoto (Japan), 19-23 August 1992.
- 1993 „Facteurs determinants de la recherche et du developpement: le cas de la Suisse“, paper presented at the 6th. Conference of the „Revue Politique et Management Public“, organized by the University of Geneva, Geneva, March 25-26, 1993.
- 1993 „Sources of Technological Progress: An Empirical Investigation“ paper presented at the UNCTAD Workshop on „University and Entreprise in a New Competitive Scenario“, Buenos Aires, March 17-19, 1993 and at the Fifth Conference of the
- 1993 „Appropriability of Technical Innovations - An Empirical Analysis“ paper presented at the UNCTAD Workshop on „University and Entreprise in a New Competitive Scenario“, Buenos Aires, March 17-19, 1993
- 1994 „Sources of Technological Progress: An Empirical Investigation“ paper presented at at the Fifth Conference of the International Schumpeter Society, Münster (Germany), 17-19 August, 1994
- 1994 „Appropriability of Technical Innovations - An Empirical Analysis“ paper presented at the International Conference on „The Economics of Intellectual Property Rights“, University of Venice, October 6-8, 1994.
- 1994 „Appropriating Benefits from Innovations“, „Keynote Speech“ at the OECD-conference on innovation, patents and technological strategies“, Paris, 8. - 9.12.1994.
- 1995 „Channels of R&D Spillovers: An Empirical Investigation, paper presented at the 22nd Annual Conference of the European Association for Research in Industrial Economics (EARIE), Juan-Les-Pins/ Sophia Antipolis, September 3-6, 1995
- 1995 „Major Topics of the Uruguay Round: An Economic Perspective“, paper presented at the Conference on Industrial Strategies and Policies, organized by United Nations Economic and Social Commission (ESCWA) and other international Organizations, Manama Bahrain, 20-23 November 1995
- 1996 „Knowledge Spillovers: An Empirical Investigation“ Paper presented at the International Schumpeter Society Meeting, Stockholm, Sweden, 2-6 June 1996.
- 1996 „Patents in Theory and Practice: Empirical Evidence from Swiss Firms“. Paper presented at the International Conference on Innovation, organized by the applied Econometrics Association, in Luxemburg, June 1996
- 1997 “Empirical Analysis in Industrial Economics”. Paper presented at the “Réfondation” Seminar of Mediterranean Summer School in Industrial Economics”, August 26-28, 1997, in Cargese France.
- 1999 “Methods for Measuring Scientific Activity Output Applied to Technological Risks and Safety” paper presented at Forum Engelberg on “Risks and Safety of Technical Systems – in View of Profound Changes”, 24-27 of March 1999, Engelberg/Switzerland.
- 1999 “Impact of R&D-Cooperation on Firm Innovation”, paper presented at the workshop “Innovation and Economic Change” organized by the Technical University Delft, 11.-13.2.1999.
- 1999 “Innovation Through Vertical Relations between Firms, Suppliers and Customers: A Study of German Firms“, paper presented at the International Conference on „Innovation and Economic Policy“, Paris, 19.11.99.
- 2000 “Vers de nouveaux mécanismes financiers d’évaluation de l’innovation et de

- la rentabilité », paper presented at the international Conference on
 “Innovation, Rentabilité et Durabilité dans les nouvelles relations entre PME, Grandes
 Entreprises, Universités et Pouvoirs Publics, June 9, 2000
- 2000 “Impact of R&D-Cooperation on Firm Innovation”, paper presented at Annual
 conference of the European Association for Research in Industrial Economics
 (EARIE), Lausanne, September 2000.
- 2000 “Impact of R&D-Cooperation on Firm Innovation”, paper presented at
 the International Schumpeter Society Meeting, Manchester, July 1, 2000.
- 2000 “Diffusion of Electronic Commerce: An empirical Analysis”, paper presented at
 the International Business-Intelligence Conference, Zurich, November 21-22, 00
- 2001 “The Formation of New Firms: An Empirical Analysis from Switzerland”, paper
 presented at the Euro-Mediterranean Forum of Economic Institutes (FEMISE),
 Marseille, 29-30 March 2001.
- 2001 “Diffusion von Electronic Commerce. Wo steht die Schweiz im internationalen
 Vergleich?“, paper presented at the annual conference of the Swiss Society for
 Business Cycle Research (Schweizerische Gesellschaft für Konjunkturforschung),
 organised by the Konjunkturforschungsstelle KOF/ETH, Zürich, den 23. August 01.
 2001
- 2001 “Employment Effects of Ecological Innovations. An Empirical Analysis”, paper
 presented at the 78th International Conference on Innovations and Intellectual Property
 - Economic and Managerial Perspectives, organised by the Applied Econometric
 Association and the Free University of Brussels. November 22-23 November, 2001,
 Brussels.
- 2001 “Determinants of Firm Growth: An empirical Analysis from Morocco” paper
 presented at the third annual conference of the Global Development Network (GDN),
 Rio de Janeiro, 9-12 December 2001.
- 2001 “The Moroccan Growth Experience”, paper presented at the third annual conference
 of the Global Development Network (GDN), Rio de Janeiro, 9-12 December 2001.
- 2001 “Internet for Research & Development, paper presented at the third annual conference
 of the Global Development Network (GDN), Rio de Janeiro, 9-12 December 2001.
- 2004 “Cultural Industries in Arab Countries”, paper presented at the World Bank MENA
 Speakers Series, February 27th, 2004
- 2004 “The Impact of Ecological Innovations on the Labor Demand of Firms: Empirical
 Evidence from European Countries”, paper presented at the International Conference
 On the Econometrics of Labor Demand”, organized by the European Applied
 Econometrics Association, Mons (Belgium), October 2004
- 2004 “Measuring the Use of Internet in Science: Empirical Evidence from Seven European
 Countries”, paper presented at the Eight International S&T Conference (with Franz
 Barjak)
- 2005 “Economic Performance of Arabic Translation Industry”, paper presented at the Arab
 Translation Conference, organized by the Arab Thought Foundation, September 25-
 27, 2005, Beirut, Lebanon
- 2005 “Picking Winners and Losers: An Empirical Analysis of Industrial Policy in Morocco.
 Paper presented at Conference on “Rethinking the Role of the State: An Assessment
 of Industrial Policy in Middle East and North Africa”, organized by the Egyptian
 Center for Economic Studies, Cairo, November 13, 2005
- 2006 “Employment Effects of Ecological Innovations. An Empirical Analysis”, paper
 presented at the conference on “Industrial Organization, Innovation and Regulation”,
 organized by the Swiss Society of Economics and Statistics, Lugano, 9-10 March
- 2006 “Copyright-based Industries: An Empirical Analysis from Arab countries, paper
 presented at Euro-Mediterranean Workshop (?????????????????)

- 2006 “Rethinking the Role of the State in the MENA Region: Case of Morocco” Paper presented at the Fifth MENA Development Forum, April 6-9, 2006 Beirut, Lebanon.
- 2006 “Intellectual Property and the Creative Industries: The Economics of the Creative Sector”, paper presented at the international conference on the Contribution of Creative Industries to Economic, Social and Cultural Development, organized by World Intellectual Property Rights Organization (WIPO) in Baku Azerbaijan, June 7-8, 2006
- 2006 “Country Experiences in Mapping the Creative Industries: The Experience of Some Arab Countries”, paper presented at the International Conference on the Contribution of Creative Industries to Economic, Social and Cultural Development, organized by World Intellectual Property Rights Organization (WIPO) in Baku Azerbaijan, June 7-8, 2006
- 2007 “Economic Performance of Arabic Translation Industry”, paper presented at the Second Arabic Translation Conference, organized by the Arab Thought Foundation, April 25-27, 2005, Amman, Jordan.