



TECHNISCHE  
UNIVERSITÄT  
DRESDEN

Chair for Managerial Economics

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## **Evolutionary Economics elsewhere: the Japanese Association for Evolutionary Economics and its annual conference 2007**

*Georg D. Blind, PhD student*

Advisor

Prof. Dr. Marco Lehmann-Waffenschmidt

Research-Workshop “Evolutionary Economics”  
Wartensee/Switzerland  
June 23rd, 2007

## AGENDA

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- JAFEE in brief
  - JAFEE's annual conference
    - General observations
    - Structure
    - Networking aspects
  - Questions
-



## FOUNDED IN 1997, JAFEE CURRENTLY HAS ABOUT 500 MEMBERS WITH HETEROGENOUS BACKGROUNDS

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### Foundation

- 1997

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### Members

- More than 500 members (cp. "Ausschuss" of the Verein counts about 70 members\*)
- Only about half of its members have a background in economics
- Other half includes scholars from various disciplines (sociology, law, natural sciences), but also business people

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### International

- Major activities only going on with Korea and Taiwan

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### Cooperation

- Annual conferences host Western guest speakers

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### Subgroups

- Nonlinear Economics
  - Dynamics and Complexity, Institutional Political Economy and Innovations
  - Analysis of Modern Economic Institutions of Japan
  - Kyushu District Research Group (Regional)
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## YAGI AND ARUKA STAND REPRESENTATIVE FOR THE ASSOCIATION'S DIVERSITY

**Yuji Aruka, Chuo University Tokyo**



- Specializing in mathematical economics and agent-based simulations;
- Leads the association's research group on non-linear economics
- Graduated with a PhD from Kyoto University in 1980
- Visiting positions at Waseda, Cambridge, Frankfurt, Siena
- Chuo University since 1985, Professor from 1990 onwards

**Kiichiro Yagi, Kyoto University**



- Specializing in history of economic thought, particularly Austrian and Marxian theory
- Founding member, Vice president 03-06
- Graduated from Nagoya Univ. 1971 with a Masters degree in Economics
- German studies in Tokyo and Frankfurt, 1971-1978
- 1979 Professor in Okayama University
- Since 1983 Professor Kyoto University

## JAFEE SUPPORTS A WIDE VARIETY OF ACTIVITIES

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### Annual Conference

- Since 1997 at rotating locations in Japan always during spring time
- Guest speakers have included among others Tony Lawson, Daniel Friedman, and scholars from other Asian countries

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### Annual general meeting

- Held in fall every year
- Roughly equivalent to an "Ausschuss" meeting

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### Annual summer school

- Since 2005; 2-day event
- Regrouping around 50 participants from various Japanese universities

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### Publications

- Evolutionary and Institutional Economic Review (EIER) since 2004
  - Readers, e.g., "Evolutionary Controversies in Economics: A New Transdisciplinary Approach", Springer, Tokyo 2001; edited by Aruka
  - Conference proceedings
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## JAFEE'S ANNUAL CONFERENCE, March 2007

### General observations

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Venue            Kyoto University

Organization   Tight timelines exactly-kept

Talks            - 3 Guest speakers; 2 English, 1 Japan.

                    - 61 general talks (60 in Japan., 1 Engl.)

                    thereof: 14 PhD students

                    thereof: 7 interlF-bN-KGQxDnM-b-xG99-gDtMF-bN-KGQxDiMFgbNxGGgDoM-b-xG

Audiences

Fees

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## JAFEE'S ANNUAL CONFERENCE 2007

### Contents - Overview

#### March 24 (Sat.)

	Hall I	Hall II	Hall III	Meeting R. 2	Meeting R. 3	Meeting R. 4	Meeting R. 1
10:00-12:00	(7) Evolutionary Approach to Monetary and Financial System	(10) U-Mart	(15) Convention Approach	(6) Governance and Tourism	(11) Socio-economic Experiment & Evol. Game (I)	(5) Innovation and Structural Change	Poster Sessions
① 10:00-10:35							
② 10:40-11:15							
③ 11:20-11:55							
12:00-13:00					Board Meeting		
13:00-15:00	(1) Evolution and Economic Thought	(4) Innovation Systems	(14) Regulation Approach	(3) Socio-Economic Evolution	(11) Socio-economic Experiment & Evol. Game (II)	(16) Evolution, Institution, and Rational Choice	
① 13:00-13:35							
② 13:40-14:15							
③ 14:20-14:55							
15:30-17:30	Invited Lectures (Ugo Pagano, Siena U. & Geoffrey Hodgson, U. Hertfordshire)						
18:00-20:00	Buffet Party						

#### March 25 (Sun.)

	Hall I	Hall II	Hall III	Meeting R. 2	Meeting R. 3	Meeting R. 4	Meeting R. 1
10:00-11:30	Invited Lecture (Masahiko Aoki, Stanford)						
11:30-13:00	(Short Introduction of Poster Participants)						
13:00-14:00	Members Meeting						
14:00-16:35	(17) Economic Development & Cumulative Causation	(19) Next Challenges for Evolutionary Economics	(13) Multi-Agent Simulation	(12) Econo-Physics	(2) Historical Approach to Institutional Evolution (8) Evolutionary Approach to Firms	(9) Evolutionary Approach to Economic Fluctuations	(18) Miscellaneous
① 14:00-14:35							
② 14:40-15:15							
③ 15:20-15:55							
④ 16:00-16:35							

## JAFEE'S ANNUAL CONFERENCE 2007 - detailed program (1/4)

March, 24<sup>th</sup> (Sat) 10 am to 12 am

10:00-10:35 10:40-11:15 11:20-11:55

### Hall I, session (7) An evolutionary approach to the monetary and financial system

Chair: [Akiyoshi Sakaguchi](#)  
鄭裕勲 (Kyoto U. (grad.))  
[Kentaro Daikoku](#) (Kyoto U.)  
[Hiroshi Awaysa](#) (Kyoto U. (grad.))

- ① Implicit cooperation of firms and banks in regionally organized finance
- ② Imitation (mimesis) and currency
- ③ A micro-foundation to the claim of stagnation being induced by the principle of gradually increasing risks

### Hall II session (10) U-Mart (experimental economics)

Chair: [Kazuhiisa Taniguchi](#)

- ① Findings from [continuous](#) price finding mechanism experiments in U-Mart: differences in [adaptation](#) methods show the evolution of trading strategies  
Kazuhiisa Taniguchi (Kinki U.), Takahiro Yawada (Tokushima U.)
- ② Artificial markets as a system design tool: the case of [continuous](#) price finding mechanisms / A proposal for a market maker edition of U-Mart  
Isao Ono (Tokyo Inst. of Technology) • Yoshihiro Nakajima (Osaka City U.) • Takahiro Yawada (Tokushima U.) • Naoki Mori (Osaka Prefecture U.) • Yoshihito Akimoto (Osaka Prefecture U.) • Hiroshi Sato (Defence Academy) • Hiroyuki Matsui (Kyoto U.) • Hajime Kita (Kyoto U.)
- ③ The circuit breaker as a system design tool in artificial market simulations  
[Shigeto Kobayashi](#) (grad.) + Kei Hashimoto (both Japan Advanced Institute of Science and Techn.)
- ④ The use of U-Mart for educational purposes (U-Mart tutorial)  
[Aruka Yuji](#) (Chuo U.) • Kazuhiisa Taniguchi (Kinki U.)

### Hall III session (15) Convention approach

Chair: [Hiroyasu Uemura](#)

- ① [Regulationists](#) vs. [conventionists](#): arriving at a firm analysis Koichi Shimizu (Okayama U.) • Hiroki Yokota (Université Paris 13 (grad.))
- ② CSR (Corporate Social Responsibility) as convention: from [Fordism](#)-like compromises to CSR  
Fumiaki Suda (Policy Research Institute Ministry of Agriculture, Forestry a. Fisheries)
- ③ The [conventionist](#) approach to firms : the theory of the firm by [François Eymard Duvernay](#)  
Akira Ebizuka (Osaka City U.) • Koji Kataoki (Yokohama State U.)

### Meeting room II session (6) Governance and tourism studies

Chair: [Takayuki Nakahara](#)

- ① Corporate law and governance: on the reach of "law and economics"  
[Hiroji Toda](#) (Shizuoka U. (part-time))
- ② Reform of the Japanese economic system and the significance of becoming a tourist destination: considerations on a vision of future Japan, the petrification of society and on becoming a tourist nation  
Inoue Yasuhiko (Japan Airlines)  
Akira Inode (Kinki U.)
- ③ Experiments with evolutionary models in tourism studies

### Meeting room III session (11) Experiments in socio-economics - evolutionary games (part one)

Chair: [Satoshi Kawagoe](#)

- ① On mutual cooperation as an achievable strategy in multi market experiments: an analysis of activity analyses  
[Kazuhiro Ogawa](#) (Hiroshima City U.) • Tetsuya Kawamura (Kyoto U. (grad.)) • Tatsuya Kikutani (Kyoto U.) • Sobei Oda (Kyoto Sangyo U.)
- ② Validity of the "incomplete symmetry model" logic in the 2-armed bandit problem: symmetry bias in causality inferences and the mutual exclusivity bias  
[Shuji Shinohara](#) (Toyoohashi U. of Technology (grad.)) , Masahiro Nakano (Oita U.)

### Meeting room IV session (5) Innovation and structural change

Chair: [Tajji Hagiwara](#)

- ① Process innovation and price/money in the utility function  
Hiroaki Izumi (Elpida Inc., Hiroshima)
- ② Probabilistic Adjustment Process Model in the Reproduction System: From A Long-Period Analysis to Evolutionary Economics  
Satoshi Yoshii (Hokkaido U. (grad.))  
Shingo Takahashi (Waseda U.) • Kotaro Ohori (Waseda U. (grad.))
- ③ An analysis of market dynamics arising from user innovation



## JAFEE'S ANNUAL CONFERENCE 2007 - detailed program (2/4)

March 24th. (Sat) 13:00-15:00-----⓪13:00-13:35Ⓜ13:40-14:15Ⓞ14:20-14:55

### Hall I session (1) Evolution and economic thought

- ① The utilitarianism of cooperating heterogeneous agents and the evolution of moral Science
- ② Early Kaldor's disequilibrium economics
- ③ L. v. Mises' transcendentalist epistemological standpoint: a critical inquiry into the justification of theoretical social science

**Chair: Akiyoshi Arakawa**  
Yuji Aruka (Chuo U.)

Yuichi Kimura (Hitotsubashi U.)  
Matsuka Tokumaru (Kyoto U. (grad.) )

**Chair: Shigeo Abiko**

Hirooka Masaaki (Institute of Techno-economics)  
Norio Tokumaru (Nagoya U. of Commerce & Business)

- ③ Measurement of earnings on R&D investment based on a purified Solow residual  
Yosuke Sasaki (Tokyo Institute of Technology (grad.) ) • Tatsunori Matsumae (Tokyo Institute of Technology (grad.) )

### Hall III session (14) Regulationist approach

- ① The debate on diversity in Capitalism and the complementarities between different macro economic systems Hironori Toyama (Shizuoka U.)
- ② Japanese Multinationals in China and International Production Linkages: Structural Changes and Co-ordination in the Industrial Interdependence  
Jian Wang (Yokohama State U. (grad.) ), Hiroyasu Uemura (Yokohama State U.)  
Yuji Harada (Nagoya Keizai U.)
- ③ The diversity of structural change and income distribution

**Chair: Akinori Isogai**

Hironori Toyama (Shizuoka U.)  
Hiroyasu Uemura (Yokohama State U.)  
Yuji Harada (Nagoya Keizai U.)

### Meeting room II session (3) Socio-economic evolution

- ① Thoughts on the origin of evolution in a society: Hayek and Witt as part of an engrafted evolutionary tree  
Kazuhiisa Taniguchi (Kinki U.)
- ② Cultural environment, the population and the process of cognition  
Masao Mizuguchi (Kyushu Sangyo U.)
- ③ "Logical power and organizations" optimally allocation people and resources and a descriptive view on institutions/organizations  
Yuki Komura

**Chair: Satoshi Arizumi**

Kazuhiisa Taniguchi (Kinki U.)  
Masao Mizuguchi (Kyushu Sangyo U.)  
Yuki Komura

### Meeting room III session (11) Experiments in socio-economics - evolutionary games (part two)

- ② A hedonist approach considering domestic altruism: theory and empirical testing
- ② The occurrence of asymptotically stable equilibria in asymmetric 2-person games and their change  
Mitsuru Yoshikawa (Kwansei U. (grad.) )

**Chair: Toshiji Kawagoe (starts from 13:40)**  
Ryo Takai (Kyoto U. (grad.))

Mitsuru Yoshikawa (Kwansei U. (grad.) )

### Meeting room IV session (16) Evolution, Institution and rational choice

- ① Society and thought of the Cambridge school: Joan Robinson on center stage
- ② The development of rational choice in political sciences and sociology and its use  
Kazumi Nishimoto (Nagoya U. (grad.) )
- ③ Subject action and opinion intensity: recent developments in contemporary institutional economics  
Tomoaki Eguchi (Fujita Health U. (part-time) )

**Chair: Shinichi Nagao** Discussant: **Atsushige Matsushima**  
Megumi Ishii (Nagoya U. (grad.) )  
Kazumi Nishimoto (Nagoya U. (grad.) )

Tomoaki Eguchi (Fujita Health U. (part-time) )

March 24th (Sat) (Hall) 15:30-17:30----Invited Lectures

U. Pagano Karl Marx after New Institutional Economics

G. Hodgson Evolutionary and Institutional Economics as the New Mainstream

**Chair: Kiichiro Yagi**

March 24th (Sat) (Hall) 18:00-20:00-----Get-together

**Chair: Norio Sawabe**





## JAFEE'S ANNUAL CONFERENCE 2007 - detailed program (4/4)

### Meeting room III session (2) The historical approach to the evolution of institutions (directly following from 15:20)session (8) Evolutionary approach to firms

- ① On the fine-tuning of societal consent: what can be seen from an analysis of the French social security system  
Takayuki Nakahara (International Buddhist U.)
- ② An essay on "the history of institutional transplattation": "transplantation" experiments and the modern significance of failure  
Kenjo Uchihashi (U. of Marketing and Distribution Sciences)
- ③ Blue Ocean strategies and an evolutionary theory of the firm  
金光日 (Incheon U., Korea)
- ④ Productivity and the Complementary Nature of Internal Institutions of the Firm  
Zhu Mei (Kyoto U. (grad.) )

Chair: Koichi Shimizu  
Chair: Koichi Shimizu

### Meeting room IV session (9) Evolutionary approach to economic fluctuations

- ① Flexibility of employment and wages, and uncertainty in the macro economic: investigation into the Koizumi cabinet's structural reforms and macro economic uncertainty  
梁峻豪 (Incheon U., Korea)
- ② Diversity of Japanese corporate governance and employment adjustments: empirical evidence from enterprise panel data  
Hiroyuki Kurita (Yokohama National U. (grad.))
- ③ Income distribution and cyclic growth in Japan and US manufacturing industries  
Ryunosuke Sonoda (Kyoto U. (grad.))
- ④ Factor analysis of economic growth in China  
鄭孝鋒 (Osaka Sangyo U. (grad.))

Chair: Junichiro Asada  
Chair: Junichiro Asada

### Meeting room I session(18) Miscellaneous

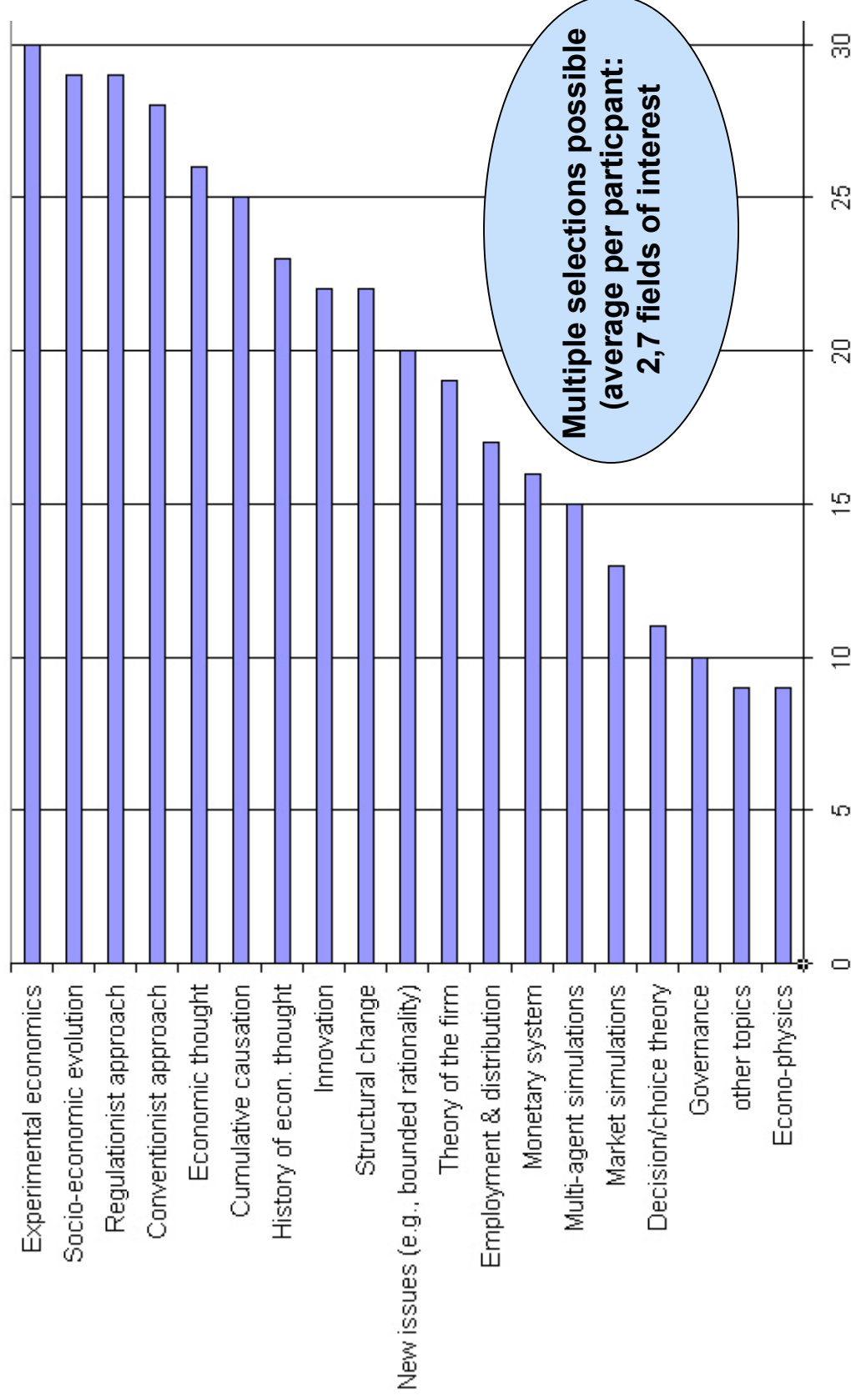
- ① On space and nations  
Taizo Yamamoto (Kyoto U. (grad.) )
- ② Institutions enhancing the market's transformational ability and a dynamical monetary system  
Yuki Kamura
- ③ The agent's definition, a detailed analysis of the mutability of knowledge through boundary expansions, and its modelling: a comprehensive discussion  
Akihiko Henmi (marketing grand design laboratory inc.)

Chair: Kazuo Yoshida  
Chair: Kazuo Yoshida

### Poster sessions (Meeting room I ----- March 24<sup>th</sup> 10:00-17:30, March 25<sup>th</sup> 10:00-13:30)

- ① System analysis based on the concept of complementarity: Hayek's contributions  
Tetsuya Kawamura (Kyoto U. (grad.)) • Kazuhito Ogawa (Hiroshima City U.) • Yusuke Yoshino (Kyoto U. (grad.))
- Emergence of an authentic commitment relationship through rational behaviour  
Tetsuya Kawamura (Kyoto U. (grad.)), Gen Senmoto (Kyoto Sangyo U. (grad.)), Youhei Kobayashi (Kyoto Sangyo U. (grad.))
- Academic evolution in the USA, Japan and Asia: from the repeated "Kyoto-USA research summer seminars"  
Yusuke Yoshino (Kyoto U. (grad.)), Daisuke Wakamatsu (Tokyo U. (grad.))
- On the development efficiency in Japan's home entertainment industry (continued)  
Tomosuke Koyama (Tokyo Institute of Technology)
- Results from U-Mart experiments: Practicing trade in index futures and analyzing traders' behaviors  
Kazuhisa Taniguchi (Kinki U.) • Takashi Gima (Kinki U. (undergrad.) • Genki Hamai (undergrad.) • Hiroshi Yamada (undergrad.)
- The societal dilemma of collusion occurring in evolutionary three-person games  
Yasuhiro Uehara, Hashimoto Kei (Japan Advanced Institute of Science and Technology (grad.) )
- Playing the game of collusive on government initiatives: on the pursuit of a sound basis for a system design analysis  
Morofuji Hideyuki (Tokyo Institute of Technology (grad.) )
- A "norm control model" describing the entire economic system  
Takaaki Tanaka (Senshu U. (grad.))

## DISTRIBUTION OF CONFERENCE PARTICIPANTS' INTERESTS REFLECTS DIVERSITY OF ASSOCIATION

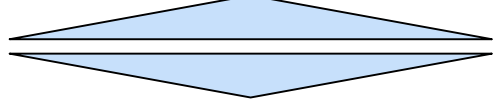


## OPPORTUNITIES FROM COOPERATION ARE HARDLY EXPLOITED YET IN SPITE OF POTENTIAL MUTUAL BENEFITS

- Only about 5-10 English publications by Japanese evolutionary economists in reviewed journals p.a.
- Vast majority of these publications builds on internalized or external "Western" expertise
  - Japanese author has spent significant time abroad
  - There is a foreign co-author

### Potential benefits

- ...for international scholars
- Access to the - largely untapped - knowledge base of the world's second largest research community
- Cooperation partners familiar with Western literature
- Potential joint use of resources: data, labs for experiments, computing capacity, etc.



- ...for Japanese scholars
- International publications recently developing into a major career criterion for post-docs
- Assistance with Western reasoning and English editing
- Attractiveness of working internationally

## HOW TO IDENTIFY, APPROACH AND SUCCESSFULLY COOPERATE WITH JAPANESE SCHOLARS

### Identification

- Nationwide (bilingual!) researcher database: [http://read.jst.go.jp/index\\_e.html](http://read.jst.go.jp/index_e.html)
- Refer to the list of "fields of interest" (slide 14) and approach me for contact details and further information
- Make sure to read EIER online

### Approaching

- Primarily, try to involve a senior Japanese go-between even if from other field or department
- Secondly, try via a n international scholar familiar with or living in Japan
- Finally, give Email a try - rather avoid "cold calling"

### Cooperation

- Verify whether your potential partner has sufficient senior backing
- Make sure to meet in person (Japanese authorities can relatively easily provide funding for research stays from 2 weeks to 2 years for post docs; see for example: [www.jsps.go.jp](http://www.jsps.go.jp))
- Be aware that cultural differences go beyond cuisine...
  - Prepare for rather lengthy and twisted discussions
  - Understand that English is a truly difficult language if you do not start from a European language as your basis

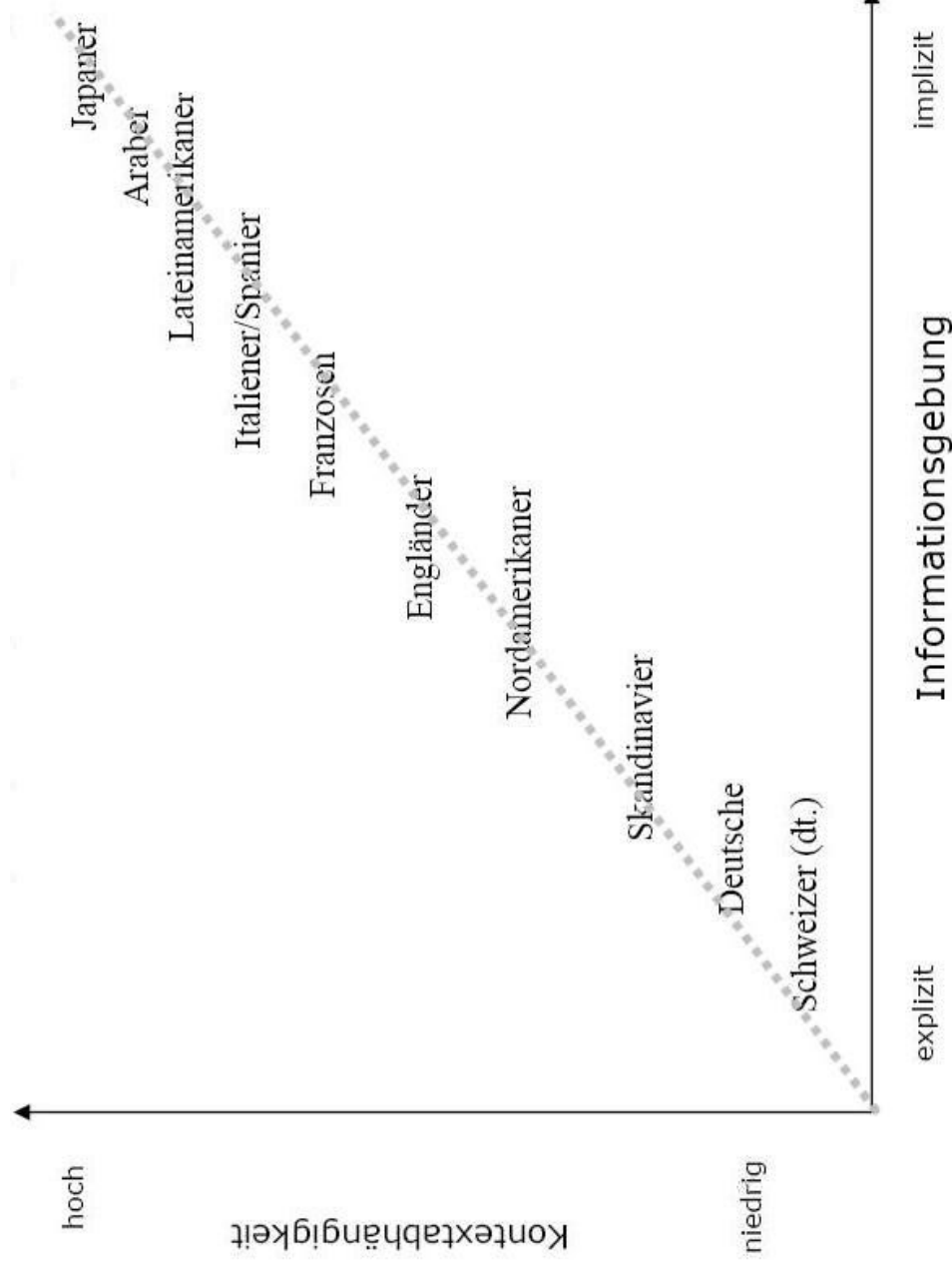


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# BACKUP

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## AMBIGUITY AS A CONTINGENT ELEMENT IN JAPANESE CONVERSATION



Sources: Grein, Marion, Interkulturelles in Japanisch-Lehrwerken, Heidelberg 2003

Hall, E. T., *Beyond Culture*, New York 1976

Hall, E.T. and Reed Hall, M., *Understanding Cultural Differences*, Garden City 1985