

A FELLOW'S ACCOUNT -

2007 CANON FELLOW **DR. PETER CARDEN**,
MITA LABORATORY, KEIO UNIVERSITY, YOKOHAMA

I arrived in Japan on October 1st to begin my Fellowship and was warmly greeted by members of the Mita Laboratory research group at the train station and they helped me to my accommodation, which was excellent. This warmth continued throughout my stay and I felt very included in all the laboratory activities, both work and social.

As I stated in my interim report I shifted my research focus from fibre optic sensors for structural health monitoring towards interpretation of the data acquired from the sensors. This allowed me to more actively collaborate with the students and researchers in the group. A network of buildings is currently being monitored and a large database of recorded responses of the buildings is being managed by Mita Lab.

About 30 members of industry are collaborating in this project and I gave a talk on November 16th at a symposium to this group in Keio University on the current state of the art of structural monitoring undertaken in Sheffield University. This was a great opportunity to share ideas and learn about the current research interests in both countries. The online real-time modal analysis of the data measured from the structures, which has been demonstrated on several

projects in Sheffield University, is particularly important for dealing with large volumes of data.

My own research on the accuracy of the identifying modal parameters from output only data resulted in the paper: "Challenges in Developing Confidence Intervals on Modal Parameters Estimated for Large Civil Infrastructure with Stochastic Subspace Identification", which was submitted to the Journal of Sound and Vibration for review on March 28th. This is one of the premier journals in the field.

The six months I have spent here have been very fruitful. Not only have I developed a better knowledge of the behaviour of buildings during earthquakes, but I've also made very good friends. It is with some sorrow that I leave Japan. The welcome, friendliness and great sense of comradery will last with me for a long time. I am very hopeful that there will be some form of collaboration in the future, and I would like to thank Canon for supporting me in having such a wonderful experience.

CONGRATULATIONS TO...

Dr. Axel Berkofsky (1999 Research Fellow) became Associate Policy Analyst at the European Policy Centre (EPC) in Brussels and Adjunct Professor at the University of Milan.

Prof. Hogan (1992 Research Fellow) was awarded a JSPS Long-Term Invitation Fellowship to go to Tohoku University from April 2008-February 2009 for 10 months to work with Professor Futamase and his colleagues in Tohoku University.

Dr. Yutaka Sato (2006 Research Fellow) was appointed as Assistant Professor to the Graduate School of Social Sciences, Hitotsubashi University, in March 2008.

Dr. Rogier Busser (1995 Research Fellow) works as Director of the International Relations for the Faculty of Arts of Leiden University.

Prof. Seiichi Suzuki (1994 Research Fellow) was Elected a Fellow of the Society of Antiquaries of London (FSA) in November 2007.

Prof. Dr. N. Fiévé was appointed in 2007 Professor at École Pratique des Hautes Études, section des Sciences Historiques et Philologiques, chaire d'Histoire de l'architecture et des jardins du Japon pré-moderne.

Introducing the 2008 Research Fellows

Dr. Valerio ALBERIZZI from Ca' Foscari University, Venice, Italy will go to the Dept. of Japanese Linguistics at Tokyo University hosted by Prof. Masayuki Tsukimoto. **Linguistics and Philology:** *Classical language in context: from China to Japan, from Japan to Europe.*

Mr. Alexandros GASPARATOS at Dundee University, UK will go to the Institute of Advanced Studies of the United Nations University (UNU/IAS) in Yokohama. His host will be Prof. Kazuo Matsushita. His field of research will be Sustainability science with the specific study entitled **Progressing towards urban sustainability: sustainable consumption and adaptive governance.**

Dr. Yasuyoshi KANARI from Kinki University, Osaka, will go to Milano University hosted by Prof. Dr. Mario Clerici. **Biosciences:** *Detection and functional analysis of genetic polymorphism associated with resistance against human immunodeficiency virus type1(HIV-1) infection.*

Dr. Goh KAWAI from Hokkaido University, will do research at the University of Antwerp, Belgium. His host will be Prof. Dr. Jozef Colpaert. **Education and Pedagogy:** *Developing learning methods for peer-based spoken languages skill acquisition.*

Dr. Miki KORENAGA from the Tokyo Institute of Technology, plans to do research at the Universidade Tecnica de Lisboa, Portugal at the Faculdade de Arquitectura under the guidance of Prof. Jose Manuel Fernandes. **Architecture & Area planning:** *The comparative study of urban structure between Lisbon and Macao.*

Mr. Oscar MARTINEZ MOZOS from Freiburg University, Germany will go to the Dept. of Intelligent Systems at Kyushu University, with Prof. Tsutomu Hasegawa as his host. **Computer Sciences:** *Integration of Local and Global Information for Intelligent Robots in the Robot Town Project.*

Dr. Tomohiro MATSUI at Yamaguchi University, will go to the Institut Pasteur at the Department of Infection and Epidemiology, Paris, France. His host will be Prof. Jean-Marc Cavillon. **Biosciences:** *In vivo pro- and anti-inflammatory behaviour of interleukin-10.*

Dr. Ismael RAFOLS at Sussex University, UK will go to GRIPS, the National Graduate Institute of Policy Studies, Tokyo. His host will be Prof. Atsushi Sunami. **Science Policy:** *Comparing organisational structures for nanotechnologies.*

Mr. Wojciech STRZALKA from Jagiellonian University, Krakow, Poland will go to Osaka University. His host will be Prof. Kosuke Morikawa at the Institute of Protein Research. **Biosciences:** *Analysis of plant PCNA three-dimensional structure.*

Dr. Tetsuya YOSHIDA from Hokkaido University, will go to the LIRIS Laboratory at University Claude Bernard Lyon I with Prof. Mohand-Said Hacid as his host. **Communication and Information:** *Information technology. Graph-theoretic Clustering and its Application.*

Dr. Genki YOSHIKAWA from the National Institute for Materials Science (NIMS) in Tsukuba will do research at Basel University at the National Center of Competence in Research "Nanoscience" with Prof. Dr. Christoph Gerber as his host. **Chemical Engineering:** *Development of the new diagnostic method based on piezoresistive cantilever-array sensors.*

Dr. Masayo NISHIDA from Boston University, USA, will go to the European University Institute, Robert Schumann Centre for Advanced Studies, San Domenico di Fiesole, Italy. **Sociology:** *Immigration, racial/ethnic relations. Integration of highly skilled migrants.*

PUBLICATIONS with an acknowledgement to the Canon Foundation in Europe. We are proud to report that a total of 294 publications, 234 articles and 60 books, were made possible with our support. These publications contain an acknowledgement to the Canon Foundation in Europe. The research done for the publications was done during the Fellowship period of our Fellows. They are kept in our library and can be found in our Fellow Register on www.canonfoundation.org

A BIG thank you to!.....

Adriana Boscaro from Italy, Olivier Giscard d'Estaing from France and Heinrich Pfeiffer and Gerhard Pulverer from Germany for their longstanding service as Executive and Selection Committee members over the past (up to) 20 years! Also to Hajime Tsuruoka, who was our Chairman for the past 9 years. Without their invaluable wise advice and recommendations, the Foundation would not have become what it is now. We thank them for all their time and each of their personal touches.

A BIG welcome to!.....

Mr. James Leipnik as our new Chairman of the Board.

VISITS TO CURRENT FELLOWS



*Dr. Mizushima with her host
Prof. Salvador Ortigueira*

Co-sponsored Research Fellowship at the European University Institute Dr. Mizushima

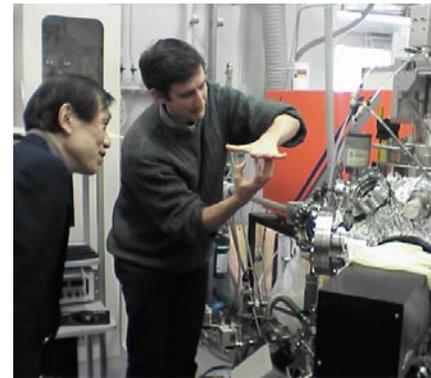
I am working as a Canon Foundation in Europe 2007 co-sponsored researcher at the European University Institute (EUI) in Florence, Italy. The EUI is a unique doctoral and post-doctoral institution which is European in

its structure, composition, and vocation. The EUI has several kinds of postdoctoral programmes and accepts many postdoctoral researchers. My current research interests are to examine the macroeconomic effects of immigration and child labour. I do this from a sociological, legal, historical and economic point of view and can thus compose a comprehensive perspective on the subject. By this research, I aim to contribute to an optimal economic policy.

The EUI is located in Florence, an interesting and beautiful part of Italy. In the weekends I can enjoy what the area has to offer such as arts, history, and music. These weekend trips make me relaxed and bring new energy to my research. My experience at the EUI is amazing. I can share lots of research and cultural experiences with others. I maintain good relationships with other researchers and hope to continue my research here after the Fellowship ends.

In closing, I would like to give my warmest thanks to the Canon Foundation for giving me the opportunity to work in such a wonderful environment.

It is the Foundation's custom to visit our Research Fellows at their host institution while doing research there, also taking the opportunity to meet the host professor. This year, Alumni Chairman Prof. Akira Yamamoto and Dr. Marco Corbella visited the European Fellows in Japan, gaining lots of useful feedback and encouraging news "from the field". The visits resulted in a small Fellow meeting in Tokyo where the Fellows from different disciplines and institutions could meet and exchange their experiences in Japan.



*2007 Research Fellow Dr. Bell explaining to
Prof. Yamamoto about his work at the
University of Tokyo*



*2007 Research Fellow Dr. Ryuji Hamamoto
(middle) with host professor, Prof. Ponder (left)
and Prof. Bloor Executive Committee member
(right) at the University of Cambridge*



*2006 Research Fellow Dr. Yutaka Sato (right)
with host professor Dr. Vandana Desai (left) and
Prof. Bloor (middle) at the University of London*

2007

INVITED LECTURE, EUROPEAN PARLIAMENT, BRUSSELS



*Troy Davis at the 2007 Invited Lecture,
European Parliament*

To commemorate the Canon Foundation's 20th anniversary, it was decided to establish an annual Invited Lecture. Dr. Troy Davis was selected to give the lecture in 2007 on **Global Citizenship** - the contents

Photos taken at the Regional Fellow Meeting & Invited Lecture, Brussels, November 2007



*2006 Fellow Joaquim Oliveira with
Prof. Bloor, Executive Committee member*

of which can be downloaded from the Foundation's website. The lecture was given at the European Parliament in conjunction with the Regional Fellow Meeting for the Benelux.



*Prof. Pulverer and Mr. Giscard d'Estaing
(Executive Committee members) with 1993
Fellow Helen Westgeest*

His talk was responded to by Carl Schlyter, a Swedish politician and member of the European Parliament for the Group of the Greens/European Free Alliance.



*Attendants in discussion with James Leipnik
(right), Chairman Canon Foundation in Europe*

CANON FOUNDATION IN EUROPE

The objective of the Foundation is the promotion of science, culture, know-how and mutual understanding between Europe and Japan.

The Canon Foundation offers Research Fellowships annually to highly qualified European and Japanese researchers.

Candidates should hold a doctorate or at least a Master's degree. They are eligible during the ten-year period following the successful completion of their Ph.D or MA degree. Extensions to the ten-year rule are possible in principle in case of exceptional circumstances which should be explained

in the application and supporting documents are required. Non-nationals have to have a permanent citizenship in either Europe or Japan.

The European Fellowship holders pursue a period of research in Japan whereas the Japanese Fellows do their research at host institutions in Europe. The Fellowships are awarded for periods of a minimum three months and maximum of one year.

For the latest version of the application form and further information, please visit our website or contact the Secretariat in the Netherlands.

Canon Foundation in Europe

P. O. Box 2262

1180 EG Amstelveen, The Netherlands

Tel. +31 20 545 8934, Fax.+31 20 712 8934

E-mail: foundation@canon-europe.com

www.canonfoundation.org

Please send post by courier to our visiting address:

Canon Foundation in Europe

Bovenkerkerweg 59-61

1185 XB Amstelveen, The Netherlands

The closing date for applications is 15 September each year, for Fellowships starting in the following calendar year.

2008

INVITED LECTURE, HARNACK HOUSE, BERLIN

Following on from last year's initiative to develop the lecture series programme, the 2008 lecture will be held in Berlin on **November 18**. Like last year, it will be linked to the Regional Fellow meeting for Fellows. This time Fellows from Germany, Austria, Denmark, Finland, Hungary, Poland, Sweden and Switzerland will be invited. The lecture will be given by Prof. Dr. Horst Albach on **Intercultural Dialogue**.