

KİŞİSEL BİLGİLER

Ad ve soyadı	Hiroshi Asahara
Doğum yeri	Japonya
Bildiği diller	İngilizce (ana dili: Japonca)
Görev ve iş adresi	Araştırmacı (2003-), Advanced Simulation Technology on Mechanics Co., Ltd.

Eğitim durumu	Yer (Yıl)	Ünvan
Yüksek Lisans	Osaka Üniversitesi, Yer ve Uzay Bilimleri -Japonya (2003)	M.S.
Üniversite	Osaka Üniversitesi, Fizik Bölümü -Japonya (2001)	B. S.

YAYIN LİSTESİ

6. T. Ohsumi, **H. Asahara** and E. Shimokawa, 2006, “Hypocenter Detecting Analysis using the Data of High Sensitivity Seismograph Network applied for the Mass Movement on Mt. Shirouma, Nagano in 2005.” J. of the Jpn. Landslide Soc., Vol. 43, No. 1: 27 – 32 (in Japanese).

5. T. Ohsumi, **H. Asahara** and E. Shimokawa, 2005, “Analysis of Ground-vibration induced by the 10 August 2004, Ohtou Landslide in Nara Prefecture, Japan using the Data of High Sensitivity Seismograph Network – Application to Landslide Detecting” Journal of Japan Society for Natural Disaster Science, Vol. 24, No. 3: 267 – 277, 2005 (in Japanese with English Abstract).

4. N. Whitehead, U. Ulusoy, **H. Asahara** and M. Ikeya, 2004, “Are Any Public-reported Earthquake Precursors Valid?” Natural Hazards and Earth System Science, 4, 463 – 468.

3. **H. Asahara**, S. Yokoi, C. Yamanaka and M. Ikeya, 2002, “An Automatic Infrared Sensor System to Observe Unusual Animal Behavior.” J. of Atmospheric Electricity, Vol. 22, No. 3, 223 – 232.

2. C. Yamanaka, **H. Asahara**, H. Matsumoto and M. Ikeya, 2002, “Seismo-electromagnetic Signals and Simultaneous Observation of Catfish Behavior - The Cases for the Western Tottori and the Geiyo Earthquakes” J. of Atmospheric Electricity, Vol. 22, No. 3, 277 – 290.

1. **H. Asahara**, Detection System of Environmental Electromagnetic Wave and Unusual Animal Behavior; Searching for Seismo-electromagnetic Signals (SEMS), March 2003, Master tezi (Osaka Univ.)

BİLİMSEL ve AKADEMİK ETKİNLİKLER

Katıldığı Kurslar ve Sempozyumlar	Yer	Yıl
7. M. Ikeya, H. Asahara , N. Whitehead, Y. Emoto and C. Yamanaka. "Earthquakes and Animals: From Folk Legends to Electromagnetic Seismology through Automatic Observation Networks." International Conference in Commemoration of 5th Anniversary of the 1999 Chi-Chi Earthquake, Taiwan/ Taipei,. September 2004.	Taiwan	2004
6. Y. Emoto, C. Yamanaka, H. Asahara and M. Ikeya. "A Web-assisted Observation System for the Environmental Electromagnetic Field Measurement before Earthquakes." IV International Workshop on magnetic, electric and electromagnetic methods in seismology and volcanology (MEEMSV-2004)/ La Londe les Maures, France. September 2004.	Fransa	2004
5. S. Yokoi, Y. Emoto, H. Asahara , M. Ikeya, T. Yagi, K. Nagai and C. Yamanaka. "Simulated Unusual Animal Behaviors before Earthquakes." IV International Workshop on magnetic, electric and electromagnetic methods in seismology and volcanology (MEEMSV-2004)/ La Londe les Maures, France. September 2004.	Fransa	2004
4. M. Ikeya, Y. Emoto, H. Asahara and C. Yamanaka. "Air Bubble Movements and Animal Behavior as Response to Electromagnetic Signals before Earthquakes: Network Monitoring of Catfish." EMC '04 Sendai/ Sendai, Japan. June 2004.	Japonya	2004
3. S. Yokoi, H. Asahara , M. Ikeya, K. Nagai and Y. Isojima. "The Auto-correlation Periodgram and the Phasegram." 1st World Congress of Chronobiology/ Sapporo, Japan. September 2003.	Japonya	2003
2. Y. Emoto, K. Fukuda, H. Asahara , C. Yamanaka and M. Ikeya. "Automatic Observational Network of Catfish Activity to Verify Unusual Animal Behavior before Earthquakes: Monitoring at High Schools throughout Japan." IUGG 2003/ Sapporo, Japan. July 2003.	Japonya	2003
1. C. Yamanaka, H. Asahara , K. Fukuda, Y. Emoto and M. Ikeya. "Network System for Preseismic Electromagnetic Field Measurements at a Wide Frequency Range, Analysis for the Case of Geiyo Earthquake." IUGG 2003/ Sapporo, Japan. July 2003.	Japonya	2003

ÖDÜLLER

1. H. Asahara, March 2001, “Detection System of Environmental Electromagnetic Wave and Unusual Animal Behavior; Searching for Seismo-electromagnetic Signals (SEMS)”, **Kusumoto Prize**, (by Kusumoto Scholarship Foundation at Osaka University), Japonya.

DİĞERLERİ

I. ARAŞTIRMA DENEYİMİ

Tarih ve Yer

Araştırma Konusu

3. Nisan 2003- (Araştırmacı),
Division of Research and
Development, Advanced
Simulation Technology on
Mechanics Co., Ltd.

Earthquake disaster prevention systems using Early Earthquake Warning (EEW) are developed for valid fields (ex. Chemical plant, railroad company, office...). EEW is now delivered from the Japan Meteorological Agency on a trial basis, which announces focal parameters of earthquakes before S-wave arrival. A new practical landslide detection system is developed using only records from the existing seismograph network, Hi-net (High Sensitivity Seismograph Network, Japan), for disaster prevention management to rapidly detect sediment disasters.

Also, assisting Assistant Prof. C. Yamanaka at Osaka University on the environmental electromagnetic field observations.

2. Nisan 2003 – Mart 2004
(Araştırmacı) Division of
Research and development, Real-
time Earthquake Information
Consortium (Specified
Nonprofit Corporation).

Study about effective usage of EEW and evaluation of EEW for its multipurpose use.

1. Nisan 2000 – Mart 2003,
Graduate Student, Osaka
University.

Automatic monitoring systems for unusual animal behavior and environmental electromagnetic (EM) waves have been constructed and continuously performed to study their correlations with seismic activities and to search seismo-electromagnetic signals (SEMS) before earthquakes.