

**Curriculum Vitae**  
**Akira Mano, Professor, Graduate School of Engineering,**  
**Tohoku University**

**Personal data**

Born on December 22, 1949 in Aomori Prefecture, Japan

**Office data**

Professor, Disaster Control Research Center, Graduate School of Engineering, Tohoku University

address: 6-6-11-1110, Aza-Aoba, Aramaki, Aoba-Ku, Sendai, 980-8589, Japan

phone/fax:+81 22-795-7512

email: [mano@civil.tohoku.ac.jp](mailto:mano@civil.tohoku.ac.jp)

**Educational background**

1973 Bachelor of Engineering, Dept. Civil Engg., Tohoku University

1975 Master of Engineering, Dept. Civil Engg., Tohoku University

1981 Doctor of Engineering, Dept. Civil Engg., Tohoku University

**Work experience:**

1977-1980 Assistant, Faculty of Engineering, Tohoku University

1981-1990 Lecturer, Faculty of Engineering, Tohoku University

1981-1982 Visiting Associate, California Institute of Technology

1991-1998 Associate Professor, Faculty of Engineering, Tohoku University

1998- Professor, Disaster Control Research Center, Graduate School of Engineering, Tohoku University

**Management**

1999-2002, 2006-2008, Director, Disaster Control Research Center, Graduate School of Engineering, Tohoku University

2006-2008, Chairman, Admission Examination Committee, Undergraduate School of Engineering, Tohoku University

2007-2009, Trustee, Aoba Engineering Society

2008-2009, Chairman, Water Environmental Course, Department of Civil Engineering, Tohoku University

2009- , Vice-Chairman, International Exchange Office, Graduate School of Engineering,

Tohoku University

- 2009- , Trustee, Japan Society of Civil Engineers  
2007-2008, Trustee, Construction Engineering Study Promotion Foundation  
2009- , Chairman, Construction Engineering Study Promotion Foundation  
2009- , Adviser, NPO: Disaster Prevention and Mitigation Support Center

### **Professional memberships**

- Japan Society of Civil Engineers, Fellow  
Japan Society of Hydrology and Water Resources  
Japan Society for Natural Disaster Science  
Asian Oceania Geo-science Society

### **Major projects**

- 1998-2002, Higher Education Development Project in Indonesia, JICA.  
2002-2009, Morphological Equilibrium of Coastal Inlets, JSPS.  
2003-, Exploration of Arsenic Free Water Resources in Bangladesh, JSPS.  
2004-2009, Development of distributed runoff model in Iran, INSF.  
2009-2014, Adaptation Model for Water Resources Management Tackling the Glacier Retreat in Bolivia, JICA-JST.  
2009-, Flood Early Warning System in Vietnam, PhD Student Study.  
2009-, Impact of urbanization in mega-capital city basin to flood runoff and inundation, Case study on Jakarta, Indonesia, PhD Student Study.

### **Major publications**

- Mano A. and S. Suzuki: Erosion characteristics of sea cliff on the Fukushima coast, *Coastal Engineering Journal*, 41(1), pp.43-63 , 1999.  
Kato H. and A. Mano : Flood runoff model on one kilometer mesh for the Upper Chang Jiang River, *Int. Conf. GIS and Remote Sensing in Hydrology, Water Resources and Environment*, pp.156-163, 2003.  
Suprijo T. and A. Mano: Dimensionless parameters to describe topographical equilibrium of coastal inlets, *ICCE*, pp.2531-2543, 2005.  
Nourani V. and A. Mano: Semi-distributed flood runoff model in sub-continental scale for South-Western Iran, , *Journal of Hydrological Processes*, 21,23, pp.3173-3180, 2007.  
Ontowirjo, B. and A. Mano: A turbulent and suspended sediment transport model for plunging breaker, *Coastal Engineering Journal*, Vol.50, No.3, pp349-367, 2008.

- Nam D.H. , K. Udo and A. Mano: Examination of Flood Runoff Reproductivity for Different Rainfall Sources in Central Vietnam, *World Academy of Science, Engineering and Technology*, Vol. 59, 2009, pp103-108. <http://www.waset.org/journals/waset/v59/v59-18.pdf>
- Nourani,V., M. Komasi,M., A. Mano: A multivariate ANN-wavelet approach for rainfall-runoff modelling, *Water Resources Management*, Springer, 23, 2877-2894, 2009.
- Farid M. , A. Mano and K. Udo: Flood Runoff Characteristics due to Land Cover Change in Upper Ciliwung River Basin Indonesia Using 2D Distributed Model Coupled with NCF Tank Model, *Annual Journal of Hydraulic Engineering, JSCE*, Vol. 54, pp. 157 – 162, 2010.
- Nam D.H. , K. Udo and A. Mano: Flood Forecasting and Early Warning for River Basins in Central Vietnam, *Annual Journal of Hydraulic Engineering, JSCE*, vol.55, 2010, in press.
- Farid M. , A. Mano and K. Udo: Modeling Flood Runoff Response to Land Cover Change with Rainfall Spatial Distribution in Urbanized Catchment, *Annual Journal of Hydraulic Engineering, JSCE*, Vol. 55, 2010. in press.
- Rahman Md. Tauhid-Ur, A. Mano, K. Udo, Y. Ishibashi: Exploration of sustainability of aquifers in arsenic affected Holocene sedimentary aquifers based on predictive modeling of sorption characteristics. *Journal of Applied Geochemistry*, Special Issue, Elsevier. 2011 in Press.
- Nam D.H. , K. Udo and A. Mano: Downscaling Global Weather Forecast Outputs Using ANN for Flood Prediction, *Journal of Applied Mathematics*, 2011, in press.

