

## WATCHARA SUIADEE



Office of Research and Development  
Royal Irrigation Department  
Nonthaburi 11120  
Thailand

Phone 66-25839413  
Mobile 66-848746082  
Fax 66-25839413  
E-mail: wachara.rid@hotmail.com

**NAME** : Mr. Watchara Suiadee

**POSITION** : Senior Expert on Irrigation Engineering

**ADDRESS** : Office of Research and Development  
Royal Irrigation Department, Thailand

**YEAR OF BIRTH** : 1965

**NATIONALITY : /CITIZENSHIP** : Thai/Thai

**EDUCATION** : D.Eng in Integrated Water Resources Management, Asian Institute of Technology, Thailand, 2006

M.Eng. in Irrigation Engineering, Kasetsart University, Thailand, 1994

B. in Law, Sukhothai Thammathirat Open University, Thailand, 2002

BS.CE. in Civil Engineering, Rajamongala Institute, Thailand, 1990

DipEng Irrigation Engineering, School of Irrigation, Royal Irrigation Department, Thailand, 1986

### TECHNICAL AREAS OF SPECIFICATION

Irrigation Water Management  
Water Sources Management  
Hydraulic and Water Resources Engineering

## **RESEARCH INTERESTS**

Forecasting of Runoff and Hydrology with Traditional and AI Methods  
Optimum Planning and Management of Water Resource System  
Flow Hydraulic in Irrigation Canals  
Developing improved methods for modeling complex irrigation systems  
Computer Modeling for Irrigation System  
Institutional Arrangement for Flood Disaster Management

## **HONORS AND AWARDS**

2002-2004 Royal Thai Government Scholar  
2001 Asian Productivity Organization-APO Scholar

## **PROFESSIONAL EXPERIENCE**

1994 - date Lecturer, Civil Engineer, Irrigation Institute Development, Royal Irrigation Department  
1987 - 1993 Irrigation Engineer, Water User Group Development Branch, Royal Irrigation Department

## **TECHING EXPERIENCE**

2006 – date Feasibility Study and Environmental Impact Assessment of Water Resources Development Project  
2005 – date Land and Water Resources Management Engineering  
2005 – date Research Methods in Irrigation Engineering  
2004 – date Irrigation Engineering Project (Geographic Information System)  
2004 – date Flow in Open Channel  
2000 – date Irrigation Water Management  
1998 – 1999 On-Farm Water Management  
1996 – 1997 Structural Analysis I  
1996 – 1997 Engineering Mechanics  
1994 – 1995 Highway Engineering

## **Thesis Examination Committee**

2002 – date Graduate School, Irrigation College, Faculty of Engineering  
Kasetsart University, Bangkok  
2002 – date Graduate School, Faculty of Environment and Resource Studies,  
Mahidol University, Bangkok

## **Invited Lecturer**

2002 – date Faculty of Environment and Resource Studies,  
Mahidol University, Bangkok

## PROFESSIONAL SERVICE

Irrigation Engineering Alumni  
Association Under H.M.  
The King's Patronage

Member and Academic Committee

National Research Council

Member, Water Resources Research and Development  
for Agriculture

The Engineering Institute of  
Thailand Under H.M.  
The King's Patronage

Sub-committee, Water Resources

Thai Water Partnership  
Thailand

Member and Assistant of Secretariat Office

## PUBLICATIONS

### Journal paper

Suiadee, W. and Tingsanchali T., 2005. A Combined Simulation-GA Optimization Model for Optimal Rule Curves of A Reservoir : A Case Study of Nam Oon Irrigation Project, Thailand. *International Journal of Hydrological Process*, John Wiley and Sons Publisher, U.K.

Varawoot, V. et al. Development of Water Allocation Strategy to Increase Water Use Efficiency of Irrigation Project. *Kasetsart J.n. 34: pp145-158, 2000. ISSN 0857-4154.*

### Conference papers

Application of Forecasting Weekly Rainfall by ANNs for Irrigation Water Allocation Scheduling. (Submitted)

Tingsanchali, T. and Suiadee, W., Conference Proceedings *World Water Congress, Water of Sustainable Development Towards Innovative Solutions, New Delhi, India, November 2005.*

Linear Quadratic Optimal Feed Back Control Operation of Nam Oon Reservoir, Thailand

Tingsanchali, T. and Suiadee, W., Conference Proceedings *International Symposium on Lowland Technology 2004, Bangkok, Thailand, September 2004*

Application of Genetic Algorithm to Optimization of Reservoir Operation: A Hypothetical Case Study

Tingsanchali, T. and Suiadee, W., Conference Proceedings *International Symposium of 21 st Century of COE Program of Yamanashi University. Kofu, Japan, March 2004*

Institutional Arrangement for Flood Disaster Management in Thailand.

Tingsanchali, T. and Suiadee, W., Conference Proceedings *The National Convention on Civil Engineering. Chiangmai, Thailand, August 2003*

Water Operation Model for Nam Oon Irrigation Project.

Tingsanchali, T. and Suiadee, W., Conference Proceedings *The 8 th National Convention on Civil Engineering. Khon Kaen, Thailand, October 2002*

Land & Water Resources Development and Organization Change for Participatory Irrigation Management in Thailand

Suiadee, W., Conference Proceedings *Seminar On Organizational Change for Participatory Irrigation Management. Philippines, October 2000*

### **Reports**

Development of Master Plan for Management of Water-related Natural Disasters: Floods, Droughts and Landslides.

Tingsanchali, T. et al., Thailand Research Fund. , 2003

Simplification of Appropriate Mathematical Model for Water Management.

Prechavit. C. et al., NRCT Research Project, March 1998

Development of Water Allocation Strategy to Increase Water Use Efficiency of Irrigation Project.

Varawoot, V., Kaewkulaya, J., Sopapun, P., Suiadee, W. NRCT Research Project, October 1995

Signature :

A handwritten signature in blue ink, appearing to read 'Watchara', is written on a light-colored rectangular background.

Date : 07 – February - 2017