

PERSONAL DETAILS

Name: Seyed Ali Akbar Salehi Neyshabouri
Date of Birth: 1958
Place of Birth: Hamedan, Iran
Marital Status: Married
Address: Civil Engineering Department
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EDUCATION:

Ph.D. (1988)
Civil Engineering, (Hydraulic Engineering)
Liverpool University, Liverpool, UK.

M.Sc. (1984)
Hydraulic Engineering,
Newcastle University, Newcastle upon Tyne, UK.

B.Sc. (1980)
Structural Engineering,
Sharif University of Technology, Tehran, Iran.

APPOINTMENTS AND EXPERIENCE

Faculty Member, Hydraulic Structures Group, Civil Engineering Dept.,
Tarbiat Modares Univ., Tehran, Iran, since 1988.

Assistant professor of Hydraulic Structures, Tarbiat Modares University, Tehran,
Iran, (1988-2002)

Associate professor of Hydraulic Structures, Tarbiat Modares University, Tehran,
Iran, (2002-2007).

Professor of Hydraulic Structures, Tarbiat Modares University, Tehran, Iran, (since 2007).

CONTRIBUTIONS TO ADMINISTRATION AND MANAGEMENT:

Program Leader, Hydraulic Structures Group, Civil Engineering Dept., Tarbiat Modares Univ., Tehran, Iran, 1988-1995.

Program Leader, Water Engineering Group, Civil Engineering Dept., Tarbiat Modares Univ., Tehran, Iran, 1993-1996.

Head of Department, Civil Engineering Dept., Tarbiat Modares Univ., Tehran, Iran, 1994-1996.

EXTERNAL ACADEMIC ACTIVITIES

Member of Managing Directors, National Center for Hydraulic Research, Ministry of Energy, Tehran, Iran, 1991-1998.

Managing Director, Iranian Hydraulic Association, Tehran, Iran, 1992-1998.

Member of Editorial Board, Journal of Water Engineering, Tehran, Iran, 1993-1995.

Member of Research Board, Center for Hydraulic Research, Tehran, Iran, 1994-1997.

Member of Supervisory Board, River Engineering Center, Ministry of Energy, Tehran, Iran, 1996-2001.

Head of Research Committee on River and Coastal Engineering, Ministry of Energy, Tehran, Iran, since 1998.

Member of Research Board, Water Resources Dept., Ministry of Energy, Tehran, Iran, since 1999.

Member of Water-Standard Council, Ministry of Energy, Tehran, Iran, since 1999.

Visiting Professor, University of Windsor, Windsor, Canada, 1998-1999.

Visiting Professor, University of Windsor, Windsor, Canada, Summer 2000.

Visiting Professor, University of Windsor, Windsor, Canada, Summer 2001.

Visiting Professor, University of Windsor, Windsor, Canada, Summer 2002.

Member of Managing Directors, Iranian Hydraulic Association, Tehran, Iran, Since 2001.

Editor, Journal of Hydraulics, Iranian Hydraulic Association, Tehran, Iran, since 2003.

Member of Editorial Board, Journal of Engineering Applications of Computational Fluid Mechanics, Hong Kong, since 2006.

Member of Editorial Board, Journal of Engineering, Semnan, Iran, since 2006.

Member of Editorial Board, Journal of Water Research, Shahrekord, Iran, since 2006.

TECHNICAL CONSULTANT AND ADVISOR:

Review of Hydraulic Report, Karun III Dam and Power Plant Project, Khuzestan Province, Iran, 1993.

Review of River Engng. Report, Dareh Shahr Flood Control Project, Ilam Province, Iran, 1994.

Review of Hydraulic Report, Sange Siah Dam Project, Kurdistan Province, Iran, 1995.

Advisor for Ghom Water Supply Project, Ghom, Iran, 1995.

Review of Hydraulic Report, Ramesht Dam Project, Kurdistan Province, Iran, 1995.

Hydraulic Design of 3rd Water Supply Project for Hamedan, Hamedan Province, Iran, 1996.

Hydraulic Design of 4 Water Supply Projects in Ilam, Ilam Province, Iran 1996.

Hydraulic Design of Hydraulic Structures, Kalan Dam Project, Malayer, Iran, 1996-1997.

Advisor for Project on “Sediment Budget of Dez-Karun River”, Khuzestan Prov., Iran, 2005- 2007.

Head of Hydraulic Group, “Tehran Surface water (Master Plan)”, Mahab Ghods Cons. Engineers, 2009-2011

RESEARCH PROJECT LEADER:

Numerical Simulation of Hydraulic Transients in Compound Networks of Pipelines and Open Channels, (in Development with Moshanir Consulting Engineering), 1991-1992.

Numerical Simulation of Scouring Process Downstream of Hydraulic Structures, Research Project Supported by Ministry of Energy, 1995-97.

Sediment Control at Intakes, Research Project Supported by Ministry of Agriculture, 1996-2000.

Guidelines for the Extraction of Sand and Gravel from Rivers, Research Project Supported by the Water-Standard Div., Ministry of Energy, 1999-2003.

Study on the Effective Parameters in Sand and Gravel Mining from Rivers, National Research Project Supported by the Planning Ministry, 1998-2001.

Numerical Simulation of Sluicing Process, Ministry of Energy, 2002-2006.

Physical and Numerical Study on the Sediment Control at Lateral Intakes on Curved Channels, Ministry of Energy, 2002-2007.

Guidelines on Physical and Numerical Modeling of River Engineering, Research Project Supported by the Water-Standard Div., Ministry of Energy, 2005-2007.

POSTGRADUATE STUDENT SUPERVISION

- Scouring Process Downstream of Flip Bucket Spillway.
- Scour Around Spur Dikes.
- Numerical Simulation of Wave Diffraction.
- Wave Forces on Non-Regular Scale Model.
- Study on Some Major Parameters Affecting the Hydraulic Behavior of Three-Sided Channel Spillways.
- Numerical Simulation of Unsteady Flow in Open-Channel Networks.
- Optimum Design of Differential Surge Tanks.
- Surge Oscillations Stability in Differential Surge Tanks.
- Prediction of Sediment Concentration Using k- ϵ Turbulence Model.
- Numerical Simulation of Flow Field and Sediment Concentration in Sedimentation Basins.
- Numerical Simulation of Flow Field Downstream of Sluice Gates.
- Numerical Simulation of Flow Field around Spur Dikes.
- Numerical Simulation of Scour-Hole Profiles Downstream of Sluice Gates.
- Numerical Simulation of Turbulent Curved Jets Using k- ϵ and ASM Models.

- Study on Flow Pattern around Bridge Piers.
- Using Turbulence Modeling in SMAC Program.
- Using ASM Turbulence Model in SMAC.
- Numerical Simulation of Hydraulic Jump Profile (2D).
- Numerical Simulation of Dam-Break Profile (2D).
- Study on Flow Pattern in Scour Hole (Finite Element Application).
- Study on Flow Pattern in Meandering Channel.
- Sediment Control at Intakes.
- Geomorphologic Considerations for Dam Type and Location.
- Numerical Simulation of 2-D Dam Break Flow.
- Analysis of Unsteady Flow in Non-Prismatic Open Channel Networks.
- Approach Channel Effects on Vortex Formation.
- Hydraulic Analysis of Unsteady Flow in Closed Conduits.
- Application of VOF Method in Simulation of 2-D Dam Break.
- Analysis of 2-D Flow over Free Spillways.
- Study on Effective Parameters on Design of Sluiceway for Diversion Dam.
- Numerical Simulation of Sand-Pit Migration.
- Implicit Simulation of 3D Free Surface Flow by Multi-Grid Acceleration Method.
- Numerical Simulation of Flow in Stilling Basins.
- Numerical Simulation of Reservoir Sedimentation.
- Numerical Simulation of Advection-Dispersion in Rivers.
- Optimization of Hydropower Conduits with Orifice Surge Tank.
- 3D Numerical Simulation of Scour around a Spur Dike.
- Study on Flow Pattern and Scour at Intakes in Curved Channel.
- Numerical Simulation of Oil Spill in Water.
- Numerical Simulation of Sand and Gravel Pit Migration in the Bend.
- Experimental Study on Hydraulic Jump on Backward Steps.
- 3D modeling of granular sediment transport (bed load) by considering turbulence effects: incipient motion to saltation.
- Numerical study on effective parameters on flow pattern and cavitation in tunnel spillway.
- Numerical study some of parameters influencing the occurrence of cavitation in morning glory spillways.
- Experimental study on the collapse process of submerged repelling stone spur-dike.
- Numerical investigation of some characteristics of compound channels and vegetation on flow patterns.
- An experimental study on turbulence in compound open channel with submerged vegetated floodplain.
- Numerical study on effective parameters on performance of baffle blocks in submerged hydraulic jumps.
- Experimental study on failure process of rubble mound spur- dike under submerged conditions.

- Numerical investigation of flow hydraulics in triangular flip buckets.
- Numerical Study on Flow Pattern around Junction of Curved and Straight Open Channels.
- Two- Phase Numerical Simulation of Flow Pattern in Three- sided Spillways.
- Determine appropriate conditions for lateral intake of bend using numerical model.
- Optimization of Flood Control System on Watershed Scale under Flood Uncertainties.
- Numerical modeling of compound open channel with rigid semi-submerged vegetation in floodplain.
- Experimental study of flow patterns and the structure of local scour around spur dike with side slope.
- Numerical study on effective parameters on block- ramps energy dissipation in urban drainage systems.
- The effect of the width to height ratio of the conduit on flow aeration and flow field downstream of outlet gates.
- Numerical study of effective parameters on hydraulic performance of gated Ogee spillway.
- 3D Model of Flow at Lateral Intake in Channel Bend with Algebraic Stress Turbulence Model.
- Numerical Water Quality Model Parameter Optimization Using Hybrid Meta-Heuristic Methods.
- Numerical Simulation of Bed Load Transport using Eulerian-Lagrangian Two Phase Flow.
- Experimental study of turbulent flow pattern around a groyne with various head shapes.
- Two Dimensional Numerical Simulation of Temperature and Salinity in Dam Reservoirs.
- Numerical Simulation of Gravity Current.

POSTGRADUATE STUDENTS CO-SUPERVISION

- Large River Diversion Optimization Considering the Uncertainties Involved.
- Numerical Simulation of Turbulent Flows on Curved Surfaces using ASM Model.
- Study on Effects of Wall Height Reduction on Behavior of Stilling Basin.
- The experimental study of effects of sill, spur dike and submerged vanes on sediment control and flow pattern at lateral intakes.
- Experimental study of scour and flow field due to submerged wall and impinging jets.
- Determination of Appropriate Dimension and Configuration of Submerged Vanes in Lateral Intake of River Using Fluent Mathematical Model.
- An Experimental Study of flow pattern Of Three-Dimensional Turbulent circular wall jets.

- Development of a Numerical Continuous Model based on VANS Equations for Swash Zone Hydrodynamic Processes Simulation.
- Development of a Numerical Algorithm for Marine Structures Hydrodynamics Simulation.
- The effect of entrance diverging angle and hydraulic-sediment properties on pattern of delta progress in dam reservoirs.
- Experimental Investigation on Flow Field and Scour Pattern Around T Shape Spur Dikes in a 90o Bend.
- The Investigation of Flow Pattern and Sediment Control at Lateral Intake with Spur Dike and Submerged Vanes.
- Development of a Numerical Model for Storm Surge Prediction.
- Experimental Investigation of Scouring Around Small Spur Dike in Channel Bend.
- Experimental Investigation of Sediment Control at Lateral Intake in 180° Channel Bend.
- Dynamical Coupling of a Spectral wave model and a Storm Surge model in Shallow water zone.

CONTRIBUTIONS TO TEACHING

Undergraduate: Fluid Mechanics, Hydraulics, Water Supply.

Postgraduate: Advanced Hydraulics, Hydrodynamics, Advanced Fluid Dynamics, River Engineering, Hydropower Engineering, Hydraulic Structures, Computational Fluid Dynamics, Advanced Computational Fluid Dynamics, Sediment Transport.

PUBLICATIONS:

Design of Unlined Open-Channel Networks

MSc. Thesis, Dept. of Civil Engineering, Newcastle University, UK, 1984.

Impingement of Offset Jets on Rigid and Movable Beds, Ph.D. Thesis,

Dept. of Civil Engineering, Liverpool University, UK, 1988.

Guidelines for the Extraction of Sand and Gravel from Rivers,

National Water-Standard, Tehran, Iran, 2005.

Journal articles

Ali K. and Salehi Neyshabouri A.A., 1991, Localized scour downstream of a deeply submerged horizontal jet, Proc. Inst. Civil Engrs. Part2, V. 91, n. 2, pp. 1-18.

Salehi Neyshabouri, A.A. and Nasiri Saleh, F., 1997, Numerical simulation of curved submerged jets using turbulence models, International J. of Engineering sciences (in

Persian), V. 8, n. 2, pp. 1-15.

Salehi Neyshabouri, S.A.A., Barron. R and Ferreira da Silva. A.M., 2001, Numerical simulation of scour by a wall jet, Korea water Resources Ass., V. 2, n. 3., pp. 179-185.

Salehi Neyshabouri, S.A.A., Farhadzadeh A. and Amini, A., 2002, Experimental and Field study on mining-pit migration, International Journal of sediment research, V. 17, n. 4, pp. 324-332.

Abbasi A.A., Ghodsian M., Habibi, M., and Salehi Neyshabouri, A.A., 2002, Experimental study on the effects of sill on bed load control at lateral intakes (in Persian), Pajouhesh & Sazandegi, No. 55, pp. 34-40.

Barron. R., and Salehi Neyshabouri, S.A.A., 2003, Effect of under-relaxation factors on turbulent flow simulations, Int. J. for Numerical methods in fluids, V. 42, n. 2, pp. 923-928.

Salehi Neyshabouri, S.A.A., A. M. F. da Silva and R. M. Barron, 2003, Numerical simulation of scour by a free falling jet, J. of Hydraulic Research (IAHR), V. 41, n. 5, pp. 533-539.

Zaker Ghamsari, H., Salehi Neyshabouri, S.A.A., Maraghei, A., and Poormandi., A., 2003, Intra-tidal variation of vertical profiles of current velocity and Suspended Sediment Concentration, Modares Technical and Engineering, No. 14 , pp. 86-96.

Izadpanah, Z., and Salehi Neyshabouri, S.A.A., 2004, Study on the sediment transport at lateral intakes on river bend (in Persian), Scientific J. of Agriculture, V. 26, n. 2, pp. 15-23.

Salajegheh A., Salehi Neyshabouri, S.A.A., Ahmadi H., Mahdavi, M., and Ghodsian M., 2005, Experimental studies on 3-D flow pattern at river bend (in Persian), Natural Resources, V. 58, n. 1, pp. 25-33.

Riahi M., Khaleghi H., Jamali M.M., Hasanzadeh A., and Salehi Neyshabouri, S.A.A., 2005, Beach profile evolution in the vicinity of seawall (in Persian), Iran-Water Resources Research, V. 1, n. 1, pp. 90-100.

Safarzadeh, A., Salehi Neyshabouri, S.A.A., 2005, Hydrodynamic study of turbulent flow pattern in river bend using 3-D numerical model (in Persian), Iran-Water Resources Research, V. 1, n. 3, pp. 65-77.

Salehi Neyshabouri, S.A.A., Gholami I., and Daemi A., 2005, Study on some effective parameters in the design and efficiency of sluiceway (in Persian), Modares Technical and Engineering, No. 21, pp. 23-36.

Montazer A.A., Salehi Neyshabouri, S.A.A., and Zarrati A.R., 2005, Experimental study on the effects of some design parameters on the hydraulic performance of U-shaped spillway (in Persian), J. of Hydraulics, V. 2, n. 1., pp.15-28.

Naser G., Karne A., and Salehi Neyshabouri, S.A.A., 2005, Two-Dimensional Simulation Model of Sediment Removal and Flow in Rectangular Sedimentation Basin, Journal of Environmental Engineering, ASCE, V. 131, n. 12, pp. 1740-1749.

Khosronejad A., and Salehi Neyshabouri, S.A.A., 2006, Numerical simulation of sediment release from reservoirs, International Journal of sediment research, V. 21, n. 1, pp. 74-88.

Pirestani M.R., Salehi Neyshabouri, S.A.A., and Tabatabai M.R., 2006, Experimental investigation of flow at lateral intakes in curved channel (in Persian), Iran-Water Resources Research, V. 2, n. 2, pp. 78-87.

Montazer K. A.A., Salehi Neyshabouri, S.A.A., 2006, Impacts of some parameters affecting the hydraulic performance of U-shaped side spillways, Canadian j. of Civil Engineers, V. 33, n. 5, pp. 552-560.

Safarzadeh, A., and Salehi Neyshabouri, S.A.A., 2006, Numerical study of turbulent flow pattern and qualitative investigation on sediment transport and erosion at lateral intakes in river (in Persian), Modares Technical and Engineering, No. 25, pp. 1-18.

Dehghani, A. A., Ghodsian, M., Salehi Neyshabouri S. Ali A., and Shafiefar M., 2007, Study on river bed evolution in 180° alluvial channel bend, J. of Hydraulics, n. 4, pp. 1-16.

Javan M., Montazeri N. M., Salehi Neyshabouri, S.A.A., 2007, A time-splitting method on a non-staggered grid in curvilinear coordinates for implicit simulation of non-hydrostatic free-surface flows, Canadian j. of Civil Engineers, V. 34, n. 1, pp. 99-106.

Khosronejad, A., Rennie C.D., Salehi Neyshabouri, S.A.A., Townsend D.R., 2007, 2D Numerical Modeling of Flow and Sediment Transport in Laboratory Channel Bends, J. of Hydraulic Engineering (ASCE), V. 133, n. 10, pp. 1123-1134

Broumand M., Salehi Neyshabouri, S.A.A., Aghajanloo K., 2007, Numerical simulation of sediment transport and scouring by offset jet, Canadian j. of Civil Engineers, V. 34, n. 10, pp. 1267-1275.

Fazli M., Ghodsian M., and Salehi Neyshabouri, S.A.A., 2008, Scour and flow field around a spur dike in a 90° bend, International Journal of sediment research, V. 23, N. 1, pp.56-68.

Khosronejad, A., Rennie C.D., Salehi Neyshabouri, S.A.A., 2008, Three dimensional

numerical modeling of reservoir sediment release, *J. of Hydraulic Research (IAHR)*, V. 46, N. 2, pp. 209-223.

Zaker Moshfegh, M., Ghodsian M. Salehi Neyshabouri, S.A.A., 2008, River Flow Forecasting using neural networks and auto-calibrated NAM model, *Journal of Applied Sciences*, V. 8, N. 8., pp.1487-1494

Eghbalzadeh, A., Montazeri, M., Salehi Neyshabouri, S.A.A., Firouzabadi, B., Javan, M., 2008, URANS Simulation of 2D Continuous and Discontinuous Gravity, pp. 1-12

Nasrolahi, A., Salehi NEyshabouri, S.A.A., Ahmadi, G., Montazeri N.,M., 2005, Numerical Simulation of Particle Saltation Process, *Particulate Science and Technology*, V. 26, N. 6, pp. 529-550

Zaker Moshfegh, Salehi Neyshabouri, S.A.A., Lux, K., 2008, Automatic Calibration of Lumped Conceptual Rainfall-Runoff Model using, *Journal of Applied Sciences*, V. 8, N. 20., pp.3703-3708

Adjami, M., Shafiefar, M., Salehi Neyshabouri, S.A.A., 2008, Developing a Large Eddy Simulation Model (2DH FLOWER SD) for Flow, *Turkish J. Eng. Env. Sci.*, V. 32, pp. 337-356

Fazli M., Ghodsian M., and Salehi Neyshabouri S.A.A., Variations of bed topography for different flow conditions in 90 bend (in Persian), *Modares Technical and Engineering*, 2009, V. 27, pp. 123-142

Vaghefi, M., Ghodsian M., and Salehi Neyshabouri, S.A.A., 2009, Experimental study on the effect of a T-shaped spur dike length on scour in a 90, *Arabian Journal of Science and Engineering*, V. 34, N. 2, pp. 337-348

Adjami, M., Shafiefar, M., Salehi Neyshabouri, S.A.A., 2010, Hydrodynamic channel flow modeling using combined large eddy simulation and wall functions, *International Journal of Fluid Mechanics*, V. 37, N. 1, pp. 42-69

Mehraein, M., Ghodsian, M., Salehi Neyshaboury, S.A.A., 2011, Local scour due to an upwards inclined circular wall jet, *Proceedings of the Institution of Civil Engineers - Water Management*, V. 164, N. 3, pp. 111-122, DOI: 10.1680/wama.900055

Vaghefi, M., Ghodsian M., and Salehi Neyshabouri, S.A.A., 2012, Experimental Study on Scour around a T-Shaped Spur Dike in a Channel Bend, *Journal of Hydraulic Engineering*, ASCE, V. 138, N. 5, pp. 471-474, DOI: 10.1061/(ASCE)HY.1943-7900.0000536

Yazdi, J., Salehi Neyshabouri, S.A.A., 2012, Optimal design of flood-control multi-reservoir system on a watershed scale, *Natural Hazards*, V. 63, N. 2, pp. 629-649, DOI: 10.1007/s11069-012-0169-6

Yazdi, J., Salehi Neyshabouri, S.A.A., 2012, A Simulation-Based Optimization Model for Flood Management on a Watershed Scale, *Water Resources Management*, 2012, V. 26, N. 15, pp. 4569-4586, DOI: 10.1007/s11269-012-0167-1

Yazdi, J., Salehi Neyshabouri, S.A.A., 2012, Assessing flood vulnerability using a rule-based fuzzy system, *Water Sci. Technol.*, V. 66, N. 8, pp. 1766-1773, DOI: 10.2166/wst.2012.346

Yazdi, J., Salehi Neyshabouri, S.A.A., Niksokhan, M.H., Elmi, M., 2013, Optimal prioritisation of watershed management measures for flood risk mitigation on a watershed scale, *Flood Risk Management*, V. 6, N. 4, pp. 372-384, DOI: 10.1111/jfr3.12016

Yazdi, J., Salehi Neyshabouri, S.A.A., 2014, Adaptive surrogate modeling for optimization of flood control detention dams, *Environmental Modelling & Software*, V. 61, pp. 106-120, DOI: dx.doi.org/10.1016/j.envsoft.2014.07.007

Yazdi, J., Salehi Neyshabouri, S.A.A., Golian, S., 2014, A stochastic framework to assess the performance of flood warning systems based on rainfall-runoff modeling, *Hydrological Processes*, V. 28, N. 17, pp. 4718-4731, DOI: 10.1002/hyp.9969

Yazdi, J., Salehi Neyshabouri, S.A.A., 2014, Identifying low impact development strategies for flood mitigation using a fuzzy-probabilistic approach, *Environmental Modelling & Software*, V. 60, pp. 31-41, DOI: dx.doi.org/10.1016/j.envsoft.2014.06.004

Barati, R., Salehi Neyshabouri, S.A.A., Ahmadi, G., 2014, Development of empirical models with high accuracy for estimation of drag coefficient of flow around a smooth sphere: An evolutionary approach, *Powder Technology*, V. 257, pp. 11-19, DOI: dx.doi.org/10.1016/j.powtec.2014.02.045

Yazdi, J., Salehi Neyshabouri, S.A.A., 2015, An Optimization Model for Floodplain Systems Considering Inflow Uncertainties, *Water Resources Management*, V. 29, N. 4, pp. 1295–1313, DOI: 10.1007/s11269-014-0874-x

Mohammadiun, S., Salehi Neyshabouri, S.A.A., Naser, Gh., Parhizkar, H., Vahai, H., 2015, Effects of open-channel geometry on flow pattern in a 90 junction, *Iranian Journal of Science and Technology- Transactions of Civil Engineering*, V. 39, N. C2+, pp. 559-573, Online at: ijstc.shirazu.ac.ir/article_3520_523.html

Yazdi, J., Zahraie, B., Salehi Neyshabouri, S.A.A., 2016, A Stochastic Optimization Algorithm for Optimizing Flood Risk Management Measures Including Rainfall Uncertainties and Nonphysical Flood Damages, *Journal of Hydrologic Engineering*, ASCE, V. 21, N. 5, DOI: 10.1061/(ASCE)HE.1943-5584.0001334

Safarzadeh, A., Salehi Neyshabouri, S.A.A., Zarrati, 2016, A., Experimental Investigation

on 3D Turbulent Flow around Straight and T-Shaped Groynes in a Flat Bed Channel, Journal of Hydraulic Engineering, ASCE, V. 142, N. 8, DOI: 10.1061/(ASCE)HY.1943-7900.0001144

Mohammadiun, S., Salehi Neyshabouri, S.A.A., Naser, Gh., Vahai, H., 2016, Numerical Investigation of Submerged Vane Effects on Flow Pattern in a 90° Junction of Straight and Bend Open Channels, Iranian Journal of Science and Technology- Transactions of Civil Engineering, DOI: 10.1007/s40996-016-0039-7

International Conference contributions

Salehi Neyshabouri A.A., Application of the Strip Integral Method to Turbulent Offset Jets, 23rd IAHR Cong., Ottawa, Canada, Aug. 1989.

Salehi Neyshabouri A.A., Flow Field of an Offset Jet, Int. Conf. on Physical Modeling of Transport and Dispersion, Massachusetts, USA, 1990.

Salehi Neyshabouri A.A. and Ali. K., Application of the Strip Integral Method to Curved Jets, XXIV IAHR Cong., Madrid, Spain, 9-13 Sept. 1991.

Salehi Neyshabouri A.A. and Ali. K., Application of the Strip Integral Method to 2-D Wall Jets, XXIV IAHR Cong., Madrid, Spain, 9-13 Sept. 1991.

A.A. Salehi Neyshabouri, R. Barron, and A.M. Ferreira da Silva , Numerical Simulation of Scour by a Wall Jet, 4th International Conference on Hydro-Science and Engineering, Seoul, Korea, Sept. 26-29, 2000.

Salehi Neyshabouri A.A., Scour Simulation with Stochastic Sediment Transport Model, 8th International Symposium on Stochastic Hydraulics, Beijing, China, 25-28 July 2000.

M. Ghodsian, A.A. Salehi Neyshabouri, M. Molanejad and M.A. Ahmadi Nejad, Flood Estimation in Hallil Rood Basin of Iran, 8th International Symposium on Stochastic Hydraulics, Beijing, China, 25-28 July 2000.

A.H. Sharghi, A. A. Salehi Neyshabouri and Safari H., Simulation of Two-Dimensional Dam Break Flow, 4th International Conference on Hydro-Science and Engineering, Seoul, Korea, Sept. 26-29, 2000.

Salehi Neyshabouri A.A., Under-Relaxation Effects on the Convergence of Finite Volume Method, 12th Congress of the APD-IAHR, Bangkok, Thailand, November 13-16, 2000.

Salehi Neyshabouri A.A., Computer-Aided Design of Closed Looped Open-Channel Networks, 12th Congress of the APD-IAHR, Bangkok, Thailand, November 13-16, 2000.

A.A. Salehi Neyshabouri, R. Barron, and A.M. Ferreira da Silva, Numerical Prediction

of Scour Caused by a Free Falling Jet, 9th Annual Conference of the CFD Society of Canada, CFD 2001, Waterloo, Canada, May 27-29, 2001.

Gholami I, Daemi A. and Salehi Neyshabouri A.A., Effects of the Dividing-Wall Length on the Efficiency of Sluiceway, XXIX IAHR Congress, Beijing, China, Sept. 16-21, 2001.

Salehi Neyshabouri A.,A. and Naser G., Numerical Simulation of Flow Field and Sediment Concentration in Forebay, 2nd International Conf. on Silting Problems in Hydro Plants, Bangkok, Thailand, 26-28 Sept. 2001.

Salehi Neyshabouri A.A. and Farhadzadeh A., Effects of Pit-Width on Mining-Pit Migration, 3rd International Symposium on Environmental Hydraulics, Tempe, Arizona, USA, 5-8 Dec. 2001.

M. H. Pourhadi and Salehi Neyshabouri A.A., Numerical Simulation of Dam-Break Flow Using FLAIR, 10th Annual Conference of the CFD Society of Canada, CFD 2002, Windsor, Ontario, Canada, June 9-11 2002, pp 578-581.

A.A. Abbasi, M. Ghodsian, M. Habibi and S. AA. Salehi Neyshabouri, Experimental Investigation on Sediment Control at Lateral Intakes Using Sill, 13th Congress of the APD-IAHR, Singapore, 6-8 Aug. 2002, Vol. 1, pp 230-233.

Farhadzadeh A. and Salehi Neyshabouri S.A.A., Effects of Mining Pit Geometry on Pit Migration and Bed Longitudinal Profile Variation, 13th Congress of the APD-IAHR, Singapore, 6-8 Aug. 2002, Vol. 1, pp. 289-292.

Salehi Neyshabouri, S.A.A., Zaker Ghamsari H., and Javan M., Numerical simulation of turbulent flow in dredged channels, ICOMPAS 2002, Ramsar, Iran, Oct. 2002.

Naser G., Karne A., and Salehi Neyshabouri, S.A.A., Strip integral method application to flow prediction in sedimentation basins, 11th Annual Conference of the CFD Society of Canada, CFD 2003, Canada, May 2003.

Barron, and Salehi Neyshabouri, S.A.A., Numerical simulation of scour by a wall jet downstream of a solid apron, 11th Annual Conference of the CFD Society of Canada, CFD 2003, Canada, May 2003.

Abbasi A.A., Ghodsian M., Habibi, M., and Salehi Neyshabouri, A.A., Experimental investigation on separation zone at lateral intakes, XXX IAHR Cong., Athens, Greece, Oct. 2003.

Salehi Neyshabouri, S.A.A., Gholami I., and Daemi A., Effect of the sluiceway width on the efficiency of sediment removal, XXX IAHR Cong., Athens, Greece, Oct. 2003.

Shourian M., and Salehi Neyshabouri, S.A.A., Effect of the initial depth on sand and

gravel mining pit migration, Ninth International symposium on river sedimentation, Beijing, China, Oct. 2003.

Pirestani M.M, Majdzadeh T. M.M., and Salehi Neyshabouri, S.A.A., Experimental study of flow pattern in U-shape bend channel, Ninth International symposium on river sedimentation, Beijing, China, Oct. 2003.

Shourian M., and Salehi Neyshabouri, S.A.A., Effect of the initial location on sand and gravel mining pit migration, Second International conference on scour and erosion, Singapore, Nov. 2003.

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