Mohsen Lashkarbolok

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Personal Information

Nationality: Iranian
Date of Birth: August 09, 1982
Place of Birth: Kordkoy, Golestan, Iran
Gender: Male

Educational Background

2006 – 2012 Iran University of Science and Technology (IUST), Tehran, Iran

Ph.D. Civil Engineering, Water Engineering

GPA: 18.43/20

Dissertation: *"Numerical simulation of non-Newtonian fluids flow using collocated discrete least squares meshless method"*

2003 – 2006 Iran University of Science and Technology (IUST), Tehran, Iran

M.Sc., Civil Engineering, Hydraulic Structures Design

GPA: 17.01/20

Research interest

- Numerical simulation of free surface flows
- Meshfree Methods
- Non-Newtonian fluid dynamics

Teaching courses

- Fluid mechanics
- Statics

- Hydrology

Publications

Journal Papers

[1]   M. Lashkarbolok, "Fluid-structure interaction in thin laminated cylindrical pipes during water hammer," Compos. Struct., vol. 204, pp. 912–919, Nov. 2018.

[2]   M. Lashkarbolok, E. Jabbari, and J. Westerweel, "A least squares based meshfree technique for the numerical solution of the flow of viscoelastic fluids: A node enrichment strategy," Eng. Anal. Bound. Elem., vol. 50, pp. 59–68, Jan. 2015.

[3]   M. Lashkarbolok, S. Izadi, H. Alemi, and S. Drost, "An implicit rheological model for numerical simulation of generalized Newtonian fluids," Korea-Australia Rheol. J., vol. 27, no. 2, pp. 105–111, May 2015.

[4]   M. H. Afshar and M. Lashckarbolok, "Collocated discrete least-squares (CDLS) meshless method: Error estimate and adaptive refinement," Int. J. Numer. Methods Fluids, vol. 56, no. 10, pp. 1909–1928, Apr. 2008.

[5]   M. H. Afshar, M. Lashckarbolok, and G. Shobeyri, "Collocated discrete least squares meshless (CDLSM) method for the solution of transient and steady-state hyperbolic problems," Int. J. Numer. Methods Fluids, vol. 60, no. 10, pp. 1055–1078, Aug. 2009.

[6]   M. Naghian, M. Lashkarbolok, and E. Jabbari, "Numerical simulation of turbulent flows using a least squares based meshless method," Int. J. Civ. Eng., vol. 15, no. 1, pp. 77–87, Jan. 2017.

[7]   M. Lashckarbolok and E. Jabbari, "Collocated discrete least squares (CDLS) meshless method for the stream function-vorticity formulation of 2D incompressible Navier–Stokes equations," Sci. Iran., vol. 19, no. 6, pp. 1422–1430, Dec. 2012.

[8]   M. Lashckarbolok and E. Jabbari, "Collocated Discrete Least Squares (CDLS) meshless method for the simulation of power-law fluid flows," Sci. Iran., vol. 20, no. 2, pp. 322–328, Apr. 2013.

[9]   M. Lashckarbolok, E. Jabbari, and K. Vuik, "A node enrichment strategy in Collocated Discrete Least Squares meshless method for the solution of generalized Newtonian fluids flow," Sci. Iran., vol. 21, no. 1, pp. 1–10, Feb. 2014.

[10]   A. Tabarsa and M. Lashkarbolok, "A numerical investigation on the effect of the temperature in the seepage calculation," Sci. Iran., vol. 0, no. 0, pp. 0–0, May 2018.

[11]   O. Nikmehr and M. Lashkarbolok, "A Numerical Investigation on the Torsional Rigidity of Bars with Functionally Graded Material (FGM) Cross Sections Weakened by Cracks," Iran. J. Sci. Technol. Trans. Civ. Eng., pp. 1–7, Aug. 2018.

Work Experiences and projects

- **Assistant Professor,** *Golestan University, Faculty of Engineering, 2013-now*
- **Head of Civil Engineering section,** *Golestan University, Faculty of Engineering, 2016-2019.*

Academic Honors

- Ranked **268ᵗʰ** among more than 26000 B.S. participants of "Nationwide Entrance Exam of State Universities" for M.Sc. degree, Iran, 2005

Language Proficiency

- **Persian**   Native
- **English**   Good
- **Dutch**   Elementary

Personal Interests

- Liberal studies