

## Neluwala Panduka

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### PERSONAL DETAILS

- Gender : Male
- Nationality : Sri Lankan

### Research Interests

- Data assimilation
- Historical climate reconstruction
- Climate models

### Current

Oct. 2015 – Present: Ph.D. student, Oki laboratory, Department of Civil Engineering, The University of Tokyo

### EDUCATIONAL QUALIFICATIONS

#### Graduate Education

- Master student of River and Environmental Engineering Lab, Department of Civil Engineering, The University of Tokyo (Graduated on September 2015)

#### University Education

- B.Sc. Eng Specialized in Civil Engineering with First Class honors, Faculty of Engineering, University of Peradeniya (Graduated on June 2012).

## PREVIOUS EMPLOYMENTS

- Temporary Lecturer at the Faculty of Engineering, University of Peradeniya. (From June 2012 to July 2013)

## AWARDS AND ACHIEVEMENTS

- Furuichi Kimatake Prize from The University of Tokyo for Outstanding Master Thesis September 2015.
- The S D & C C Award - for the best Paper by an Associate Member published in the "Engineer" Journal during the Session 2013/2014 to N.G.P.B. Neluwala, K.T.S. Karunanayake, K.B.G.M. Sandaruwan and K.P.P. Pathirana for the Paper titled " Hydraulic Jumps over Rough Beds – An Experimental Study ".
- The S D & C C Award - for the best Paper by an Associate Member published in the "Engineer" Journal of IESL during the Session 2013/2014 to N.G.P.B. Neluwala, K.T.S. Karunanayake, K.B.G.M. Sandaruwan and K.P.P. Pathirana for the Paper titled " Characteristics of Hydraulic Jumps over Rough Beds – An Experimental Study "
- Received the “Migara Ranathunga Trust Award” from Institute of Engineers Sri Lanka (IESL) for best Civil Engineering Undergraduate Training in the year 2012.
- Selected for the Japan Study Programme organized by Ministry of Education, Culture, Sports, Science and Technology in (MEXT) Japan (7<sup>th</sup> -19<sup>th</sup> March 2012)
- Got the “Deshabandu Dr. A.N.S. Kulasinghe” Memorial Scholarship from State Engineering Corporation for obtaining highest GPA in the Second Year in Civil Engineering stream in University of Peradeniya. Sri Lanka
- Got the “Vortex” award for best performance in newsletter committee in the Department of Civil engineering, University of Peradeniya, Sri Lanka in the year 2009

## PROGRAMMING EXPERIENCE

FORTRAN 77, Fortran 90, shell scripting, Python

## Publications

Toride, K., P. Neluwala, and K. Yoshimura (cor.), Feasibility Study of the Reconstruction of Historical Weather with Data Assimilation, submitted to Mon. Wea. Rev.

N.G.P.B. Neluwala, K.T.S. Karunanayake, K.B.G.M. Sandaruwan and K.P.P. Pathirana Characteristics of Hydraulic Jumps over Rough Beds – An Experimental Study, Journal of the Institution of Engineers, Sri Lanka ('Engineer'), Vol. XXXXVI, No.03, pp.1-7, 2013

## PRESENTATIONS

Panduka Neluwala, Kei Yoshimura (2017) 1st Joint Workshop for Regional Climate Projection, Next Generation Land Surface Model Development, and Model Application and Implementation, 16- 17 January, 2017 Sapporo, Japan

Panduka Neluwala, Kei Yoshimura (2016) Reconstruction of historical weather patterns by data assimilation of old diaries and general circulation model, World Archeological Conference -8 (WAC8), 28th August 02nd September 2016 Kyoto, Japan

Panduka Neluwala, Kei Yoshimura (2016) Joint Hydro-Science Meeting Tsinghua University and The University of Tokyo, 8- March 2016, Tokyo, Japan

Panduka Neluwala, and Kei Yoshimura and Suryun Ham (2014) Performance of High Resolution Ocean Atmosphere Coupled Model Downscaling over Sri Lanka 13th Regional Spectral Model RSM workshop 26- 27 November 2014, Yokohama, Japan

N.G.P.B. Neluwala, K.T.S. Karunanayake, K.B.G.M. Sandaruwan and K.P.P. Pathirana (2013) Effect of Bed Roughness on Characteristics of Hydraulic Jumps, Peradeniya University Research Sessions (PURSE), 4-July 2013, Peradeniya Sri Lanka.

N.G.P.B. Neluwala, K.T.S. Karunanayake, K.B.G.M. Sandaruwan and K.P.P. Pathirana (2012) Performance Of Hydraulics Jumps Over Rough Beds, International Conference on Sustainable Built Environment (ICSBE), 14-16 December 2012, Kandy, Sri Lanka.