CURRICULUM VITAE

Personal Data	
Name	Bobby Minola Ginting
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Nationality	Indonesia
Place/date of birth	Medan, 16 September 1988

Research Interests
Computational Hydraulics
Turbulence Modeling
High-performance Computing

Academic Background	
B.Sc. (2006 – 2010)	Department of Civil Engineering, Bandung Institute of Technology (ITB) Thesis: Design of Tallu Bamba Dam, Case Study of South Sulawesi Province, Indonesia / *Cum Laude* (GPA: 3.78 out of 4)
M.Sc. (2010 – 2011)	Department of Civil Engineering, Bandung Institute of Technology (ITB) Thesis: Two-dimensional Flood Propagation Modeling Generated by Dam-Break using Finite Volume Method / *Cum Laude* (GPA: 3.96 out of 4)
Ph.D (2015 – now) *(to be finished in 2019)*	Department of Civil, Geo and Environmental Engineering, Chair for Computation in Engineering, Technical University of Munich (TUM) Thesis: Efficient Parallel Simulations of Flood Propagation including Wet-Dry Problems

Working Experiences	
2010 – 2011	Researcher at Center of Coastal Areas and Marine Development, ITB
2011 – 2015	Engineering Consultant for River and Hydraulic Projects
2011 – now	Lecturer at Department of Civil Engineering, Parahyangan Catholic University
2015 – now	Scientific Assistant at Chair for Computation in Engineering, TUM

Selected Publications	
1	**B.M. Ginting**, Central-upwind scheme for 2D turbulent shallow flows using high-resolution meshes with scalable wall functions, Computers & Fluids, Vol. 179, 2019, pp. 394 – 421. DOI: 10.1016/j.compfluid.2018.11.014.
2	**B.M. Ginting**, R.-P. Mundani, Parallel flood simulations for wet-dry problems using dynamic load balancing concept, ASCE's Journal of Computing in Civil Engineering, 33(3), 2019, pp.1–18. DOI: 10.1061/(ASCE)CP.1943-5487.0000823.
3	**B.M. Ginting**, A two-dimensional artificial viscosity technique for modelling discontinuity in shallow water flows, Applied Mathematical Modelling, 45, 2017, pp. 653 – 683. DOI: 10.1016/j.apm.2017.01.013.
4	**B.M. Ginting**, R.-P. Mundani, Artificial Viscosity Technique: A Riemann-solver-free method for 2D urban flood modelling on complex topography, In: P. Gourbesville et al. (eds) Advances in Hydroinformatics. Springer Water, 2018, pp. 51 – 74. DOI: 10.1007/978-981-10-7218-5_4.
5	**B.M. Ginting**, R.-P. Mundani, E. Rank, Parallel simulations of shallow water solvers for modelling overland flows, In: G. La Loggia et al. (eds). EPiC Series in Engineering, 3, 2018, pp. 788 – 799. DOI: 10.29007/wdn8.
For a complete list of publications, see www.cie.bv.tum.de/de/team/bobby-ginting.	

I hereby affirm that this document is accurate as 10 March 2019.
Bobby Minola Ginting