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**Razvan Mosincat\*** ([r.o.mosincat@sms.ed.ac.uk](mailto:r.o.mosincat@sms.ed.ac.uk)), School of Mathematics, University of Edinburgh, EH9 3FD, United Kingdom. *Unconditional well-posedness for the Benjamin-Ono equation.*

The Benjamin-Ono equation (a model PDE for the propagation of internal waves in deep stratified fluids) poses analytical difficulties due to its quasilinear character. In this talk, we are interested in the unconditional uniqueness of solutions problem for the Benjamin-Ono equation. After briefly surveying prior uniqueness statements, we will discuss a method based on normal form reductions for showing uniqueness of solutions without any auxiliary condition. (Received September 24, 2018)