

SCIENTIFIC CURRICULUM VITAE

1. Personal details

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2	Institution and address	University of Southampton, Highfield, Southampton SO17 1BJ, UK			
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2. Qualifications:

Year	Academic Institution	Major	Academic degree
1990	University of London	Geography	BSc
1994	University of Nottingham	Fluvial Geomorphology	PhD

3. Personal experience:

Year	Institution	Address	Position
1994-1995	University of Florence	Florence, Italy	Researcher
1995-1997	US Department of Agriculture	USDA National Sedimentation Laboratory, Oxford, Mississippi	Research Geologist
1997-2019	University of Southampton	As above	Lecturer, then Senior Lecturer, then Professor

4. Language (Rating: A- Poor; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
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1. Darby, S.E. and Thorne, C.R. 1992. Impact of channelization on the Mimmshall Brook, Hertfordshire, UK. *Regulated Rivers: Research and Management*, 7, 193-204.
2. Darby, S.E., and Thorne, C.R. 1994. Prediction of tension crack location and riverbank erosion hazards along destabilised channels. *Earth Surface Processes and Landforms*, 19, 233-245.
3. Darby, S.E. and Thorne, C.R. 1994. Fluvial maintenance operations in managed alluvial rivers. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 4, 130-148.
4. Sear, D., Darby, S.E., Thorne, C.R. and Brookes, A. 1994. Geomorphological approach to stream channel restoration: Case study of the Mimmshall Brook, Hertfordshire. *Regulated Rivers: Research and Management*, 9, 205-223.
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6. Darby, S.E. and Thorne, C.R. 1996a. Numerical simulation of bed topography and channel widening in straight sand-bed rivers I: Model development. *Journal of Hydraulic Engineering*, 122, 184-193.
7. Darby, S.E. and Thorne, C.R. 1996b. Development and testing of stability analysis for cohesive riverbanks. *Journal of Hydraulic Engineering*, 122, 443-454.
8. Darby, S.E. and Thorne, C.R. 1996c. Predicting stage-discharge curves in flood channels with vegetated banks. *Journal of Hydraulic Engineering*, 122, 583-586.
9. Darby, S.E. and Thorne, C.R. 1996d. Modelling the sensitivity of channel adjustments in destabilized sand-bed rivers. *Earth Surface Processes and Landforms*, 21, 1109-1125.
10. Darby, S. E., Thorne, C.R. and Simon, A. 1996. Numerical simulation of bed topography and channel widening in straight sand-bed rivers II: Model evaluation. *Journal of Hydraulic Engineering*, 122, 194-202.
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- S.S.Y. 1998. River width adjustment II: Modelling. Final Report of the ASCE Task Committee on Hydraulics, Bank Mechanics and Modelling of River Width Adjustment. *Journal of Hydraulic Engineering*, 124, 903-917.
15. Darby, S.E. 1999. Effect of riparian vegetation on flow resistance and flood potential”, *Journal of Hydraulic Engineering*, 125, 443-454.
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 17. Darby, S.E. and Thorne, C.R. 2000. A river runs through it: Morphological and landowner sensitivities along the Upper Missouri River in Montana, USA. *Transactions of the Institute of British Geographers*, 25, 91-107.
 18. Simon, A., Curini, A., Darby, S.E. and Langendoen, E.J. 2000. Bank and near-bank processes in an incised channel. *Geomorphology*, 35, 193-218.
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 20. Darby, S.E. and Delbono, I. 2002. A model of equilibrium bed topography for meander bends with erodible banks. *Earth Surface Processes and Landforms*, 27, 1057-1085.
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5.3.3 Published books/textbooks

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes
1							
2							
3							

78. Darby, S.E. and Sear, D.A. (eds). 2008. *River Restoration: Managing the Uncertainty in Restoring Physical Habitat*, John Wiley, Chichester.
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80. Darby, S.E. and Simon, A. (eds) 1999. *Incised River Channels: Processes, Forms, Engineering and Management*, John Wiley, Chichester.

I pledge and take responsibility for the accuracy of the information provided in this scientific resume.

APPLICANT'S INSTITUTION

(Sign, full name, and sealed)

18th June 2019

APPLICANT



(Professor Stephen DARBY)