Staff Profile For Dr Snezana Lawrence

Senior Lecturer in Mathematics Education, Leader for Secondary M. School of Education.

PhD [Open University UK].

Personal Statement:

I have been involved with a number of national and international initiatives to promote the use of the history of mathematics in mathematics education, as the Education Officer of the British Society for the History of Mathematics, and the member of the Advisory Board of the History and Pedagogy of Mathematics Group (an affiliate of the International Commission on Mathematics Instruction). More recently, since 2009, I have been a Mathematics Programme Leader of the Princes Teaching Institute, being able to contribute to the PTI mathematics strand vision and programme. My website mathsisgoodforyou.com has attracted more than 2.5 million visitors since its launch in 2005.

Professional Qualifications:

QTS Canterbury Christ Church University College, Canterbury Kent

Membership of Professional Bodies/Subject Associations:

Education Officer and Council member of the British Society for the History of Mathematics http://www.bshm.ac.uk/

Programme Leader for the Mathematics Schools Programme, and Leader of the Mathematics NQT pilot (2011-12) of the Prince's Teaching Institute http://www.princes-ti.org.uk/

Advisory Board member of the History and Pedagogy of Mathematics Group, an Affiliate of the International Commission on Mathematics Instruction http://www.clab.edc.uoc.gr/hpm/about%20HPM.htm

London Mathematical Society http://www.lms.ac.uk/

Institute of Mathematics and Its Applications http://www.ima.org.uk/

British Society for the History of Science http://www.bshs.org.uk/

Canadian Society for the History and Philosophy of Science http://www.cshpm.org/

Teaching Specialism:

Mathematics education, secondary and transition phases, and the history of mathematics.

International issues in mathematics education and their historical contexts

Practical mathematics and mathematics practitioners: histories of displaced groups of people and their pursuit of mathematics

Byzantine mathematics and its place between the East and the West, 5-13th centuries.

Key Publications/Exhibitions/Performances:

Book chapters
Lawrence, S. (2011) Developable surfaces: Their History and Application. In Nexus 2010: Relationships between Architecture and Mathematics, III. Kim Williams (ed), Springer, Basel.
Lawrence, S. (2012 forthcoming) Enquiry led learning and the history of mathematics. In The usage of technology in the learning of history of science and mathematics. Thomas de Vittori (ed), Frank and Time, Berlin.
Lawrence, S. (2010) Alternatives to Teaching Space Teaching of Geometry in 19th century England and France. In Franco-British Interactions in Science Since the Seventeenth Century. R. Fox and B. Jolly (eds.) London: College Publications.
Lawrence, S. (2008) A Balkan Trilogy: Mathematics in the Balkans before World War I. In The Oxford Handbook of the History of Mathematics. Robson, E. and Steddall, J (eds), Oxford University Press, Oxford.

Conference proceedings
Lawrence, S. and Ransom, P. (2011) How much meaning can we construct around geometric constructions? In Proceedings of the 7th European Congress on Research in Mathematics Education, Poland, Feb 2011.
Barbin, E., Furinghetti, F., Lawrence, S., and Smestad, B. (2010) The role of the History and Epistemology of Mathematics in Teacher Training. In Proceedings of the 6th European Summer School in the History and Philosophy of Mathematics, Vienna, July 2010.
Lawrence, S. (2010) Inquiry based mathematics teaching and the history of mathematics in the English curriculum. In Proceedings of the 6th European Summer School in the History and Philosophy of Mathematics, Vienna, July 2010.
Lawrence, S (2008) History of Mathematics Making Its Way Through the Teacher Networks, Paper presented at of 11th International Congress on Mathematics Education (ICME11), 7th July 2008, Mexico City, Mexico.
Lawrence, S (2009) What works in the Classroom Project on the History of Mathematics and the Collaborative Teaching Practice. Paper presented at CERME 6, January 28th, 2009, Lyon France.
Lawrence, S. (2007) Descriptive Geometry in England a Historical Sketch. in

Proceedings of the 5th European Summer University on the History and Epistemology in Mathematics Education. Evelyne Barbin, Nada Stehlikova, Constantinos Tzanakis, (eds). Prague 2007.

Lawrence, S. (2004) History of Mathematics Resources for 11 to 16 year olds. In Proceedings of the CSHPM and BSHM Joint Conference held in Cambridge 9-11th July 2004. Volume 17, publisher Penn State Erie, The Behrend College, 2005. pp. 128-132.

Lawrence, S. (2003). History of Descriptive Geometry in England. In The Proceedings of the First International Congress on Construction History, Madrid, 2003. 14 pages; http://en.structurae.de/refs/items/index.cfm?ID=r0004552

Research papers

Lawrence, S. (2011) Dee and his books. BSHM Bulletin: Journal of the British Society for the History of Mathematics. Oxford: Taylor and Francis. To be published in October issue.

Lawrence, S. (2005) Balkan Mathematics before the WWI. BSHM Bulletin: Journal of the British Society for the History of Mathematics. Oxford: Taylor and Francis.2005: 4, 22-36.

Lawrence, S. and Kastanis, N. (2005) Serbian Mathematics Culture of the 19th century, HPM Newsletter, 15-24.

Popular articles

Lawrence, S. (2011) On Euclid and Dee: The Magic of Mathematics, Mathematics Today, June 2011: 8-9.

Lawrence. S. (2010) Mathematics and its history Ancient Babylon and Egypt in your primary classroom, Primary Mathematics 14(3): 20-22.

Lawrence, S. (2010) A Little Egyptian Tour, Mathematics Today, December 2010: 233-34.

Lawrence, S. (2010) An Approximate View to a Summer Balls Conversation, Mathematics Today, August 2010: 196-197.

Lawrence, S. (2010) Newton for and by Ladies, Mathematics Today, June 2010: 146-147.

Lawrence, S. (2009) Provenal mathematics, Mathematics Today, December 2009: 219-220.

Lawrence, S. (2009) The Christmas list, Mathematics Today, February 2010.

Lawrence, S. (2010) Diversity in the National CurriculumMathematics, Mathematics Today April 2010: 88-90.

On-line publications

Diversity in Mathematics Classroom: Real histories directory (part of Runnymede Trust) - http://www.realhistories.org.uk/index.php/archive/diversity-in-the-national-curriculum-maths.html) topic of the Month, July and August 2008.

Mihailo Petrovic: contribution to the website dedicated to the celebration of the First Century of the International Commission on Mathematics Instruction 1908-2008,

http://www.icmihistory.unito.it/portrait/petrovic.php ed. Livia Giacardi and Fulvia Furinghetti, February 2008.
Maths is Good for You - teaching mathematics in historical context: published by the DfES Innovations Unit, http://www.standards.gov.uk/innovation-unit Downloadable from http://www.standards.dfes.gov.uk/ntrp

Current Scholarship:

I am currently writing papers on the history and spread of the technique of descriptive geometry in the 19th century, and researching international issues in mathematics education, in particular in relation to geometry syllabi in different countries in Europe and the United States.

Other External Roles:

I am on the Editorial Boards of the British Society for the History of Mathematics Bulletin http://www.tandf.co.uk/journals/titles/17498430.asp , and the Institute of Mathematics and its Applications journal Mathematics Today http://www.ima.org.uk/mathematics/mathstoday.htm .

Recent Professional Updating:

From January 2013 I will be an Assistant Editor of the BSHM Bulletin, Journal of the British Society for the History of Mathematics http://www.tandf.co.uk/journals/titles/17498430.asp

Last Updated: 23 April 2012.