

# Susannah Fleming

## Recent Publications

- S. Fleming, M. Thompson, and L. Tarassenko. *How sick is this child? Predicting serious infections using four vital signs*. Meningitis Research Foundation Conference: Meningitis and septicaemia in children and adults, November 2011; C26
- D. Nunan, S. Wassertheurer, D. Lasserson, B. Hametner, S. Fleming, A. Ward, and C. Heneghan. *Assessment of central haemodynamics and arterial stiffness in the community – are we there yet?* ARTERY 2011, October 2011; P7.16
- D.A. Clifton, D. Wong, S. Fleming, S. Wilson, R. Way, R. Pullinger, and L. Tarassenko. *Novelty Detection for Identifying Deterioration in Emergency Department Patients*. IEEE SMC 12th International Conference on Intelligent Data Engineering and Automated Learning, September 2011. In Yin, H., Wang, W., and Rayward-Smith, V. (eds): Lecture Notes in Computer Science 6936 Springer-Verlag, Heidelberg, 2011, pp. 220-227.
- S. Fleming, M. Thompson, and L. Tarassenko. *How sick is this child? Predicting severity of illness in primary care using three vital signs*. SAPC 2011. 40th Annual Scientific Meeting of the Society for Academic Primary Care, July 2011 (Early career researcher prize)
- S. Fleming, A. Plüddemann, J. Wolstenholme, C.P. Price, C. Heneghan and M. Thompson. *Automated lung sound analysis for asthma*. MaDOx Horizon Scan 0016. July 2011.
- D.A. Clifton, D. Wong, S. Fleming, R. Way, S. Wilson, R. Pullinger, and L. Tarassenko. *Identifying Patient Deterioration in the Emergency Department using Data Fusion Systems*. British Medical Journal International Conference of Quality and Safety in Healthcare, April 2011
- S. Fleming, M. Thompson, R. Stevens, C. Heneghan, A. Plüddemann, I. Maconochie, L. Tarassenko and D. Mant. *Normal ranges of heart rate and respiratory rate in children from birth to 18 years: a systematic review of observational studies*. The Lancet, 377(9770), pp1011–1018, March 2011
- S. Fleming, M. Thompson, and L. Tarassenko. *Measuring respiratory rate using a pulse oximeter in children attending primary care*. SWSAPC Annual Research Meeting, March 2011
- R. Pullinger, S. Wilson, R. Way, D.A Clifton, D. Wong, S. Fleming and L. Tarassenko. *Identifying Patient Deterioration in the Emergency Department using Data Fusion Systems*. Fourth Annual Conference of the Oxford School of Emergency Medicine, December 2010.

## Employment History

NHS NSPCR Research Fellow, Department of Primary Health Care, University of Oxford	2010 – present
Demonstrator, Department of Engineering, University of Oxford	2007 – present
Board Member, NHS HealthSpace project	2006 – present
Postdoctoral Research Assistant, University of Oxford	2009 – 2010
Graduate Research Student (DPhil), University of Oxford	2005 – 2010
IT Consultant, Oxford BioSignals	2007 – 2008
Board Member, NHS Care Record Development Board	2004 – 2006
Research & Development Engineer, BBC R&D	2002 – 2005
Board Member, NHS Public Advisory Board	2003 – 2004

## Professional Qualifications and Awards

DPhil in Biomedical Engineering, University of Oxford	2005 – 2010
MEng in Engineering Science, 1st class honours, University of Oxford	1998 – 2002
Member of the Institution of Engineering and Technology (formerly IEE)	2002
Associate of Higher Education Academy	2008
Royal Academy of Engineering Research Student Development Fellowship	2008
IET William James Award	2008
British Science Association “Perspectives” Competition Finalist	2009

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You can also get further information by visiting [my LinkedIn profile](#), or viewing [my full CV](#).