



SEVENTH FRAMEWORK PROGRAMME OF THE EUROPEAN UNION
Support for training and career development of researchers (MARIE CURIE)
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INNHF

*Innovation through human factors
in risk analysis and management*

DAY COURSE ON HUMAN AND ORGANISATIONAL FACTORS

Trinity College Dublin
11th July 2013



Outline and Schedule

Location

The course will take place in Trinity College Dublin at 200 Pearse Street.

Lecturers

Professor Samuel Cromie sdcromie@tcd.ie
Derek Ross rossde@tcd.ie

Schedule and syllabus

The course is based on the STAMINA human factors training (<http://www.staminainstitute.com>), condensed to a single day. The training covers human and organisational factors at various levels from task factors and individual factors to team and organisational factors. Examples of the factors that can influence human performance will be given and discussed with the trainees.

Follow-on Reading

Human Factors Textbooks

- An Introduction to Human Factors Engineering. 2004. Wickens, Lee, Liu, Becker. Pearson.
- Engineering Psychology and Human Performance (4th edition). 2013. C.D. Wickens, J. Hollands, S. Banbury, R. Parasuraman. Pearson.
- Human Factors in Flight. 1993. F.H. Hawkins. Ashgate.

Human Factors Reference Books

- Handbook of Human Factors and Ergonomics. G. Salvendy
- Evaluation of Human Work. 1997. Wilson and Corlett. CRC (Taylor & Francis)

Organisational Factors Textbook

- Psychology and work today. 2006. Schultz & Schultz.

Organisational Factors

- Just Culture: Balancing Safety and Accountability (2nd edition). 2012. S. Dekker. Ashgate.
- Safety at the Sharp End. 2008. R. Flin. Ashgate.
- Human Safety and Risk Management. 2006. Glendon, Clarke, McKenna.

Human Factors Methods

- Human Factors Methods: A Practical Guide for Engineering and Design (2nd edition). 2013. N.A. Stanton, P.M. Salmon, L.A. Rafferty, G.H. Walker, C. Baber, D.P. Jenkins. Ashgate.
- A Guide to Task Analysis – Kirwan & Ainsworth
- Hierarchical Task Analysis – Shepherd 2000
- A Guide to Practical Human Reliability Assessment - Kirwan 1994