

# Conference Programme

The Second International SMESME Conference:



## Stimulating Manufacturing Excellence in Small & 99 Medium Enterprises

Sherwell Centre, University of Plymouth  
29<sup>th</sup> – 31<sup>st</sup> March 1999

### *Registration Desk*

**Sunday 28<sup>th</sup> March 1999**, 17.00 - 20.00 Registration at the Robbins Conference Centre

**Monday 29<sup>th</sup> – Wednesday 31<sup>st</sup> March 1999**, Registration desk open each day from 09.00 at the Sherwell Centre

### *Rooms*

All Sessions A and Plenary Sessions will take place in Sherwell Upper Lecture Theatre.

All Sessions B will take place in Sherwell Lower Lecture Theatre.

All Sessions C will take place in xxxx room



Department of Trade and Industry



## Monday 29<sup>th</sup> March 1999

09.00-10.00	Registration desk open at the Sherwell Centre		
<b>10.00 Opening Session</b> Upper Lecture Theatre	Welcome: Professor L Ebdon, Deputy Vice Chancellor, University of Plymouth Introduction: Dr Steve Childe, Conference Chairman Keynote Address: Dr John Parnaby, Former Director, Lucas Industries, Former President of IEE, Manufacturing Consultant and SME Director Keynote Address: Vince Osgood, Programme Manager, Engineering for Manufacturing, Engineering and Physical Sciences Research Council		
11.30 Coffee			
<b>11.45 – 12.45 Session 1</b> A – Upper Lecture Theatre B – Lower Lecture Theatre C – xxxx room	<b>Session 1A - Extended Enterprise Networks and Supply Chains</b>  The pressures on SMEs in the automotive supply chains and the adverse effects of demand variation, <i>John Griffiths, R James, A Laverick, H Vu</i>  SME manufacturing: Is the future virtual? <i>David Tucker, Laurie Jones</i>	<b>Session 1B - Initiatives to Aid SMEs 1</b>  Local universities as a resource for SMEs - Experiences from the KONVER Project, <i>Dave Edmondson</i>  An Adapt project with particular reference to rapid prototyping within SMEs, <i>David Watson</i>	<b>Session 1C - Manufacturing Strategy</b>  The origins of manufacturing strategy in SMES, <i>David Barnes, Raj Gill, John Mills, Tom O'Brien, Frank Rowbotham</i>  Competing through capabilities: A decision-aid methodology for manufacturing SMEs, <i>Michalis Menicou, Ian McCarthy</i>
12.45 Lunch			
<b>13.30 Session 2</b> A – Upper Lecture Theatre B – Lower Lecture Theatre C – xxxx room	<b>Session 2A - Extended Enterprise Networks and Supply Chains 2</b>  Building inter-firm networks for new product development, <i>Lisa Harris, Anne-Marie Coles, Keith Dickson, Ian McLoughlin</i>  A case study: "Problems faced by innovative Welsh SMEs attempting to break into established supply chain networks", <i>Richard Taylor, S. Williams</i>  Strategic innovation networks: Managing high technology in mature small firms, <i>Martin Beckinsale</i>  Software-based supply chain links in SMEs in the North-West, <i>Bill Haywood</i>	<b>Session 2B - Initiatives to Aid SMEs 2</b> Review of the University of Sheffield's Technical Audit Programme, <i>Antony Lowe, Keith Ridgway</i>  Can the Internet provide the West Midlands automotive supply chain with the ultimate lean production tool? - A case study of the Autolean Project, <i>P Costello, Steve Garner, G Homer, D Thompson</i>  Initial UK experience and conclusions of the ASTRABIS ADAPT Project, London Borough of Islington 97/2000, <i>Denys Avis</i>  Assessing the likely effectiveness of intervention programmes in small manufacturing companies, <i>David Hamblin, John Willcock</i>	<b>Session 2C - Change Management 1</b> Experiences in dealing with the management of change in SMEs: people, technology and business systems issues, <i>Umit Bititci, Jillian MacBryde, K Vinodrai Pandya, Kenny Tannock</i>  A process for developing a model for assessing changes to legacy systems in small manufacturing organisations, <i>Stephen Willoughby, N S McBain</i>  Strategies for change with AMT: Some experiences of Canadian SME case companies, <i>Peter Burcher</i>  Managerial prerequisites for starting continuous improvement programs in small and medium-sized enterprises: Case studies in Southern Switzerland, <i>Fabio Frigo-Mosca, Giovanni Alberti, Renzo Longhi</i>
15.30 Tea			
<b>16.00 – 17.30 Session 3</b> A – Upper Lecture Theatre B – Lower Lecture Theatre C – xxxx room	<b>Session 3A - Extended Enterprise Networks and Supply Chains 3</b>  The development of a protocol for supplier relations, <i>A Williams</i>  Key factors to an efficient supply chain organisation in Co-operation between SMEs, <i>Kristijan Erzen</i>	<b>Session 3B - Performance Measures</b>  A review of customer-focused and service performance measurement systems, <i>Kathryn Veitch, Clive Winters</i>  A foundation for improving performance measurement in manufacturing SMEs, <i>David Webb, Richard Greatbanks</i>	<b>Session 3C - Change Management 2</b> A new approach to process based change: Learn from your UNCLE, <i>John Bradford, Steve Childe, P A Smart</i>  Approaches in human resource practices in the implementation of advanced manufacturing technologies in SMEs, <i>Andreas Efsthadiades, Savvas Tassou, A Antoniou</i>  Rising Awareness of Training Needs, <i>Susan Geertshuis</i>
19.00	Buffet Reception and DTI SME Networking Event at the National Marine Aquarium		

## Tuesday 30 March 1999

<b>0930 Plenary Session 2</b> Upper Lecture Theatre	Keynote Speaker: Peter Reed, Managing Director, Thermal Engineering Systems Ltd. <i>A view from the SME's boardroom</i> Keynote Speaker: Brian Miles, EPRC Business Processes Resource Centre <i>Industry-academia collaboration for fruitful research</i>		
10.30 Coffee			
<b>11.00 Session 4</b>  A – Upper Lecture Theatre B – Lower Lecture Theatre C – xxxx room	<b>Session 4A - Production Management 1</b>  Performance by integration of intelligent simulation- and optimization tools in production, planning and control systems for SMEs, <i>Wilfried Krug, J Liebelt</i>  Analysis and optimisation of maintenance structures and repair processes, <i>Hans Tonshoff, A Seufzer</i>  Responsive manufacturing control for SMEs, <i>David Little, Keith Porter, Ralph Rollins, Mathew Peck</i>	<b>Session 4B – SMEs in the Manufacturing Economy 1</b>  Training and competitiveness: A comparative study of small manufacturing and service organisations, <i>Harry Matlay</i>  Measuring and stimulating the deployment of manufacturing excellence in SMEs, <i>David Yarrow, Alex Appleby, Mandy Allen</i>  Manufacturing potentials of European small and medium sized enterprises, <i>Hans Tonshoff, Andreas Rotzoll, Wolfgang Rietz</i>	<b>Session 4C - Organisational Learning and Knowledge Management</b>  Learning and competitiveness - A response within two Adapt programmes in the West Midlands, <i>Sylvia Broadley, M Hardcastle, Steve Harding</i>  Developing small firms through managerial competence & organisational learning, <i>Beryl Badger, Ian Chaston, Penny Gardiner, Eugene Sadler-Smith, Jane Stubberfield</i>  Stimulating improvement through knowledge transfer in small and medium-sized enterprises, <i>Alexandros Skandalakis, Geoff Nelder</i>
12.30 Lunch			
13.30 Session 5  A – Upper Lecture Theatre B – Lower Lecture Theatre C – xxxx room	<b>Session 5A - Production Management 2</b>  Integrated process planning and scheduling for SMES, <i>David Hall, Weihong Zhao</i>  Economic model to evaluate an industrial order, <i>Sergio Gallo, Teresa Murino, L C Santillo</i>  Design of an integrated throughput based control and information system for a medium sized textile manufacturer, <i>D Duty</i>	<b>Session 5B – SMEs in the Manufacturing Economy 2</b>  Are SMEs prepared for agility ?, <i>A Williams, R Partington</i>  The strategic relevance of different manufacturing flexibility types in Italian mechanical SMEs, <i>Marcello Braglia, Alberto Petroni, Enzo Gentili</i>  ILTAS: Innovation & Learning in the Textile and Apparel Sectors - supporting strategic change in SMEs, <i>Ed Rhodes, Ruth Carter</i>	<b>Session 5C - Re-Engineering Business Processes</b>  Optimising product development in SMEs through process mapping workshops, <i>Tom Inns, Catherine Baxter</i>  Prerequisite skills for re-engineering teams, <i>Martti Launonen</i>  Experiences of process based change in small to medium sized manufacturing enterprises (SMEs), <i>Tammi Greswell, T Rogers, P A Smart, Jan Bennett, Steve Childe</i>
15.00 Tea			
15.30 – 1700 Session 6  A – Upper Lecture Theatre B – Lower Lecture Theatre	<b>Session 6A - Production Management 3</b>  Coping with uncertainty: production management issues in product remanufacturing, <i>Winnie Ijomah, Jan Bennett, Jim Pearce</i>  An application of spare parts management, <i>L C Santillo, G Paduano</i>  Evaluation of a taxonomy for SMEs production systems using cluster analysis, <i>V I N Leopoulos, I P Tatsiopoulos</i>	<b>Session 6B – Information Technology 1</b>  Electronic commerce for shipbuilding supply chains, <i>Thomas Gullede, Ronil Hira, John Liuzzi, Rainer Sommer</i>  Improving use of information technology in SMEs, <i>Hans Bonde, Hans Hvolby</i>  Managing information intensity in the customer-focused small to medium sized manufacturing enterprise, <i>Valerie Ratcliffe Martin, Peter Sackett</i>	
19.00	Depart for Conference Dinner at Crownhill Fort		

## Wednesday 31 March

<p><b>09.30 Plenary Session 3</b> Upper Lecture Theatre</p>	<p>Keynote Speaker: Melanie Gray, Institute of Work Psychology, University of Sheffield <i>Key issues in the effective management of change</i></p> <p>Keynote Speaker: Tony Emmerton, Management Consultant, MK Group <i>Technology for profitability, change and growth</i></p>	
<p>10.30 Coffee</p>		
<p>11.00 12.30 Session 7</p> <p>A – Upper Lecture Theatre</p> <p>B – Lower Lecture Theatre</p>	<p><b><i>Session 7A - Case Studies</i></b></p> <p>From old farm to new factory: a case study of a manufacturing company in a rural location, <i>Jacqui Marsh, Irene Hardill, John Moohan</i></p> <p>Real options in justification of advanced manufacturing technology, <i>Jouko Karjalainen, Juhani Seppanen</i></p> <p>Manufacturing strategy and innovation: exploiting and protecting intellectual property in SMEs, <i>Lawrence Corbett, Susan French</i></p>	<p><b><i>Session 7B - Information Technology 2</i></b></p> <p>Prototyping of a data warehouse for SME using conventional tools: a case study, <i>Klement Fellner, C Rautenstrauch</i></p> <p>Business information systems in SMEs, <i>K A Reynolds, C E R Wainwright</i></p> <p>Linking and customising lower end CAD within the integrated IT environment in small to medium enterprises, <i>Stephen Cottrell, James Gao</i></p>
<p><b>12.40 – 13.10 Plenary Session 4</b> and Close of Conference Upper Lecture Theatre</p>	<p><b><i>So what should we do for SMEs? Chairman: Steve Childe</i></b></p>	
<p>13.15 Lunch</p>		