

## **Andy Verwer – a brief CV**

Andy Verwer is Director of Verwer Training & Consultancy Ltd, An accredited PROFIBUS International Training Centre (PITC). Andy is Technical Officer for the UK PROFIBUS Group and is a leading member of several working groups within PROFIBUS International. Andy previously had almost 30 years of experience as Principal Lecturer within the Department of Engineering at Manchester Metropolitan University (MMU) teaching automation and control. Before that, Andy had 14 years experience in the aircraft, chemical and manufacturing industries.



Over his time at MMU and VTC Andy has developed an international reputation for high quality, practical training materials and has delivered training in South Africa, Singapore, Australia, China and Brazil. Whilst at MMU Andy worked very closely with his late colleague Jack Golten to produce the widely-used control system design and simulation package “CODAS” as well as other software packages for control system and signal analysis. CODAS, in particular, was widely used across education and industry for teaching control engineering and for designing and simulating industrial control systems. In the course of his work at MMU Andy developed many laboratory rigs and other teaching equipment for automation and control. These rigs have been marketed by the company “Bytronic Ltd” for almost 15 years. Andy has published over 70 technical papers and several books in the areas of Control and Automation.

Around 1999 whilst at MMU, Andy started to develop fieldbus training for industry and in particular PROFIBUS and Actuator-Sensor Interface (AS-i). In 2001 MMU gained status as the first UK PROFIBUS International Competency Centre (PICC) providing accredited training and consultancy. The Competency Centre also developed expertise in other modern automation technologies and became known as “the Automation Systems Centre”, or ASCent. Andy developed guidelines and accredited training for PROFIBUS installation, commissioning and maintenance. The Certified PROFIBUS Installer course is now accepted at the basic standard in PROFIBUS training across the world and is being delivered in all continents by other PICCs.