

PolyU inventions snatch medals from Geneva



In the celebrated 32nd International Exhibition of Inventions, New Techniques and Products held in Geneva, PolyU reaped two Gold and three Silver Medals, demonstrating well its strength in applied research and development.

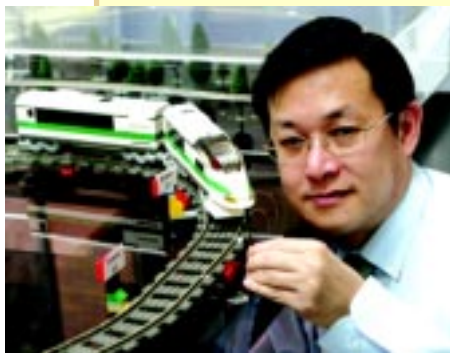
Organized under the patronage of the Swiss Federal Government and City Government of Geneva, the exhibition showcased some 1,000 inventions from about 600 exhibitors all over the world. Among them, the winning entries presented by PolyU are as follows.

Gold Medals

Advanced Fibre Bragg Grating Railway Monitoring System

by Prof. Tam Hwa-yaw, *Professor, Department of Electrical Engineering*

Making use of high-sensitivity, light-weight, small and EMI immune optical sensors, this invention helps create a multi-point railway monitoring and measurement system that can be used for monitoring arbitrary locations along the rail. The compact system helps maintain the health of infrastructures such as bridges and railways.



Walter — the world's first "sweating" manikin

by Dr Fan Jintu, *Associate Professor, Institute of Textiles and Clothing*

Nicknamed "Walter", the manikin can simulate human perspiration and thus be used to test the thermal insulation and moisture vapour resistance of functional clothing. The simulation process is made possible with Walter's special skin, which is made of moisture-permeable fabric. Its motorized limbs can also be moved to simulate the process of walking and help create a realistic test.



Silver Medals

Cubicam Body Scanner

by Dr Winnie Yu, Assistant Professor,
Institute of Textiles and Clothing

This unique body scanner makes use of advanced Moire image processing and advanced optical design. It is small and slim enough to be fitted in a boutique's changing room to provide 3D images for automatic body measurements and create perfectly fit garments. It is safe and easy to use under normal light condition.



Nano-Fotocide-Plus Catalyst

by Prof. Chua Hong, Professor,
Department of Civil and Structural
Engineering

This nano-coated catalyst can be applied in aquacultural water treatment. Upon photo- and electro-activation, the catalyst generates hydroxyl radicals and activates chloride ions respectively, making it an extremely effective agent for disinfection and water treatment. The system is developed by Acumen Environmental Engineering and Technologies Co. Ltd, a joint-venture of PolyU.

Online Basic Competency Assessment System

by Dr Stephen Mak, Associate Professor
& Mr Lennon Choy, Lecturer,
Department of Building and Real Estate

Developed by PolyU's subsidiary Smile Technologies Ltd, the web-based system is designed for primary students to assess their competency in Chinese, English and Mathematics. The system is capable of accommodating 54,000 concurrent users to take assessment tests and monitoring their longitudinal performance. This project was commissioned by the Hong Kong Examinations and Assessment Authority. ❖



Human Rainbow stands out in PR and annual report contests



Award-winning Annual Report
cover featuring the world's
largest Human Rainbow.

PolyU's Guinness record-setting Human Rainbow, formed by 11,273 PolyU members and friends to celebrate the University's 65th Anniversary in 2002, has brought the University a Silver Award under the category of non-profit-making associations in the "Sixth China Awards for Excellence in Public Relations". The event attracted extensive media coverage and achieved broad community impact. The nationwide competition has been organized biennially since 1993 by the China International Public Relations Association, and it was the first time Hong Kong entries entered the contest.

Capturing the Human Rainbow in its cover photo, the University's *Annual Report 2002/03* scored the Bronze prize in the Cover Photo/Design: University Category of the 2004 International ARC Awards Competition. It is the world's largest competition for annual reports, organized by New York-based Mercomm, Inc. ❖



Mr David Poon, Head of Communications and
Public Affairs, and colleagues Florence Chan
(right) and Aileen Wong at the presentation
ceremony in Beijing.