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**Foreword
&
Honour Role
2002**

Knowledge & Innovation 2002

The Industrial Research Institute Swinburne (IRIS) held its third *Knowledge and Innovation (K&I) Program* at the Grand Ballroom of the Hotel Novotel in StKilda, Victoria Australia from July 15th – 19th in 2002.

The purpose of the K&I program was to bring together industrialists, academics and high-calibre research students in a forum that provided researchers with an insight into industrial requirements, and industrialists with an insight into leading edge applied research. More importantly, however, the program provided a mechanism for postgraduate research students to develop team-based skills in opportunity evaluation, business planning, and acquisition of venture capital for research commercialisation.

Although formal activities took place over a single week, IRIS research students spent almost two months, working together in teams, to develop business plans for open presentation to senior industrialists. As IRIS has grown, so too has the program grown, each year, to effectively become a significant forum in its own right, with a total of over 500 participants during the course of the Week's activities. A quick examination of Section 2. of this book will give some insight into how many people are brought together to formally contribute to this event.

In 2002, IRIS was responsible for 11% of all of Australia's university expenditure on applied research in manufacturing, and some 10% of nation's international refereed journal publications in the field of manufacturing. The K&I program therefore provided as much opportunity for industrialists to benefit from applied research developments as for researchers to benefit from industrial insights.

As in previous years, the program was spearheaded by presentations from leading CEOs and industrialists, notably this year from Robert Bosch Australia, Hella, Motec, General Motors Holdens Engine Company, Cadbury Schweppes, IFM-Efactor and Wentworth Furniture. Other eminent international speakers included two of IRIS's own current PhD(Industry) students, Mr. Thomas Tang (Executive Director of the Hong Kong Productivity Council) and Mr. Wai Hung Ng (Chairman of SAE Magnetics Hong Kong, one of the world's largest computer hard disk manufacturers).

In addition to formal research presentations, a new element of the program was an industry exhibition afternoon where research students exhibited and explained their projects to visiting industrialists. As in the past, the Week's activities concluded with a full day of venture capital business proposals, prepared by teams of research students, openly presented to a debate with senior industrialists.

This year's edition of Profiles in Industrial Research documents the research programs and the business plans that were presented during K&I Week.

Dr. Dario Toncich

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2002 Knowledge and Innovation Award Recipients

Each year, IRIS presents postgraduate research candidates, participating in the Knowledge and Innovation Week program, with awards under a number of different categories. In each case, the awards are fundamentally based on a candidate's ability to communicate complex ideas in a form that can be readily understood, and in a manner which is both convincing and persuasive. The 2002 awards were as follows:

2002 Awards

*Best Research
Presentation:*

*Mr.
Jim Harris*

*Best Industry Exhibition of
Research:*

*Mr.
Andrew Greenbury*

*Judges Award
– Best Business Plan:*

SaveHeart

*Audience (Investment)
Award – Best Business Plan:*

Celtek