

# Maths fair! Maths fair !Maths fair !Maths fair! Maths fair! Maths fair! Maths fair! Maths fair !Maths fair! Ma

### Who will speak? (Morning session)



Dr Michael Barnsley Co-founder & formerly Chief Scientific Officer ITERATED SYSTEMS INC. (USA)

ITERATED SYSTEMS INC. was created to make the discovery of the automatic fractal transform process for image coding into a viable business. Dr Barnsley was responsible for raising the revenue of the company from \$1 million in 1991 to \$6.8 million in 1993. Iterated Systems Inc. was successful in the CD-ROM imaging market, and its technology was used in Microsoft Encarta and many other commercial titles.



Dr John Carlin
Associate Professor and Deputy Head,
Clinical Epidemiology and Biostatistics Unit
Murdoch Children's Research Institute &
University of Melbourne Department of Paediatrics
ROYAL CHILDREN'S HOSPITAL

John Carlin has worked in health and medical research at the Royal Children's Hospital since 1991, after doing Honours in Maths and Stats and a PhD in Statistics. He is involved in a wide range of projects concerned with improving the clinical care of sick children and preventing the development of diseases, injuries and unhealthy behaviours. Sound statistical thinking and analytic methods are crucial in solving the real-world problems of modern medical and public health research.

Mr Andrew Mich Project Leader, eBusiness Program TELSTRA

Andrew has an honours degree in pure mathematics from the University of Adelaide in South Australia, and after working as a statistician, gained an M.Sc.in statistics from LaTrobe University in Melbourne. In 1989 he joined the Telstra Research Laboratories in Melbourne, where he is currently acting Project Leader in the eBusiness Program. The talk will examine the many areas where mathematics is used within Telstra and Telstra Research Laboratories.



### Who will speak? (Morning session)

Dr Maris Ozols
Senior Research Scientist

DSTO (Defence Science and Technology Organisation)

Maris' PhD thesis topic was on polynomial functions defined over finite groups. Since 1990 he has worked in various aspects of trusted systems at DSTO, including system safety, formal verification techniques, and information security. Since 1998 he has been leading a section involved with public key cryptography, secure messaging, and formal modelling of information security systems. In 1999 he lectured at the University of South Australia on "High Integrity Systems".

### Brian Hall, Principal Mining Engineer AUSTRALIAN MINING CONSULTANTS

Brian joined AMC in 1994 from Mt. Isa Mines, where he was Executive Mining Engineer. He spent twelve years with Mt. Isa in a variety of operational and planning roles, including stints as a Business Analyst and Technical Services Manager. After graduating from the University of Queensland with degrees in Mining Engineering and Commerce, Brian gained experience on the West Coast of Tasmania and spent five years in South Africa.



His main area of expertise is in underground metalliferous mine planning and design. He also has an active interest in computerised mine planning systems, and is an accomplished simulation modeller, especially of underground production systems.

James McLaren
Senior Consultant, Banking & Finance Group
MORGAN & BANKS LIMITED

James joined the Executive Search and Selection team at Morgan & Banks in 1998 in the field of financial services. His recruitment specialisation extends to Executive Search and Selection in the field of Treasury and Fund Management incorporating front office trading and sales, derivatives, risk management, product development, investment management and distribution. James joined Morgan & Banks after three years of senior level financial services recruitment experience in the UK. This experience was primarily Executive Search spanning cross border recruitment in the UK, Ireland, Western Europe and North America. At Morgan & Banks James has applied Search and Selection methods across a broad range of positions

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## Meet our graduate students & research staff! (Afternoon session)

### See their exhibits:

Cooking of wheat grains for the manufacture of Vita-Brits (UNCLE TOBYS) Effectiveness of a new flu treatment (Glaxo Wellcome)

Management of mine wastes (BHP)

Pavement design (ARRB Transport Research)

Estimating the cost of phone services to rural Australia (Australian Communications Authority)

Off-Road Vehicle Design Simulations (United States Army)

. . . . and .... many more!!



Meet staff members from our STATISTICAL CONSULTING CENTRE!
This centre has provided statistical help to many companies and
government departments, including Alcoa of Australia, AMRAD Corporation,
Australian Wheat Board, Comalco, Commonwealth Serum Laboratories, BHP, Ford Motor
Company of Australia, Department of Human Services- Victoria, Kraft Foods Limited,
Melbourne Water, State Electricity Commission of Victoria, Telstra, Transport Accident

Try your hand at problem solving and win cash & prizes !!!

The Melbourne
University Mathematics
and Statistics Society
(MUMS) will be running
competitions check them out!
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.... Or see other scientists on campus in action!

Go on a SCIENCE
FASCINATION TOUR and visit
Chemistry, Environmental
Science, Zoology and Earth
Sciences!

