2nd INTERNATIONAL CONFERENCE ON APPLICATIONS OF MACHINE LEARNING TO ECOLOGICAL MODELLING

Adelaide, Australia, 27 November - 1 December 2000

Registration form

Family name …………………………………….………..
First name…………………………………………………..
Institution……………………………………….…...……..
Address………………………………………………..
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City/code……………………………………………………..
Country……………………………………………………
Phone…………………………………………………..
Fax…………………………………………………………...
Email………………………………………………..……..
I will give an oral ☐ or a poster ☐ presentation
Tentative title of paper: …………………………………..
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Number of delegates:

Amount in US dollars:

US$ cheque payable to MLEM2000 (Bank in Australia)

MASTERCARD   BANKCARD   VISA

Cardholder name:

Number:

Expiry date   Signature

Mailing address for registration :
F Recknagel,
  University of Adelaide
  Glen Osmond, SA 5064, Australia
  Tel: +61-8-83036787   Fax: +61-8-83036511
  E-mail: Friedrich.Recknagel@adelaide.edu.au

CONFERENCE VENUE AND ACCOMMODATION

The conference will be held at a world-class venue at Adelaide's beachfront to the Southern Ocean. Accommodation at city hotels will be available at rates between US$40 and US$140 per night. Student accommodation will be available at halls of residence at University of Adelaide at rates starting from US$15 per night for a student room and US$40 per night for a guestroom. Family accommodation in serviced apartments may also be arranged.

REGISTRATION

Includes:

Opening reception at Adelaide City Hall;
Bound proceedings;
All lunches, morning and afternoon teas/coffees;
Conference dinner and pre-dinner tour with wine tasting at famous Barossa Valley wineries.

Registration before 30 September 2000:

Ordinary delegates:	US$ 300
Students:	US$ 170
Accompanying persons:	US$ 85

Registration after 30 September 2000:

Ordinary delegates:	US$ 350
Students:	US$ 210
Accompanying persons:	US$ 130

ORGANISATIONAL SPONSORS

The University of Adelaide
University Paul Sabatier Toulouse
International Society for Ecological Modelling (ISEM)
CNRS, Department des Sciences de la Vie, Paris
Modelling and Simulation Society of Australia and New Zealand

INTERNATIONAL SCIENTIFIC COMMITTEE

F Recknagel, University of Adelaide, Australia, Chair
R Barboult, University of Paris, France
R Costanza, University of Maryland, USA
MN French, University of Louisville, USA
T Fukushima, Hiroshima University, Japan
T Jakeman, Australian National University, Australia
SE Jorgensen, University of Copenhagen, Denmark
S Lek, University Paul Sabatier Toulouse, France
B Page, University of Hamburg, Germany
M Scardi, University of Bari, Italy
P Whigham, University of Otago, New Zealand
X Yao, University of Birmingham, UK

ORGANISING COMMITTEE

F Recknagel, University of Adelaide
E-mail: Friedrich.Recknagel@adelaide.edu.au

S Lek, University Paul Sabatier Toulouse
E-mail: lek@cict.fr

OBJECTIVES

The conference will provide a forum for the presentation and discussion of recent research on machine learning such as artificial neural networks and genetic algorithms, and its application to ecological modelling. Ecosystems are characterised by distinct non-linearities and complexity, which artificial neural networks and genetic algorithms seem to be suited to. Therefore modelling by machine learning is expected to improve the understanding and prediction of aquatic and terrestrial ecosystems.

The aim of the conference is to encourage and facilitate interdisciplinary communication and research amongst professionals in machine learning, ecological modelling and ecosystem management.

A number of specialised sessions will be organised to focus on following themes:

- Ecological Applications of Artificial Neural Networks
- Ecological Applications of Genetic Algorithms
- Ecological Applications of Fuzzy Logic
- Hybrid Modelling by Machine Learning
- Elucidation, Monitoring, Forecasting and Control of Ecosystems by Machine Learning
- Analysis and Synthesis of Ecological Data by Machine Learning
- Temporal and Spatial Modelling by Machine Learning

KEYNOTE SPEAKERS

SE Jorgensen (Denmark):
State of the Art of Ecological Modelling
P Angeline (USA):
State of the Art of Evolutionary Computation
F Recknagel (Australia) and S Lek (France):
State of the Art of Ecological Modelling by
Artificial Neural Networks
DJ D'Angelo and LM Howard (USA):
State of the Art of Ecological Modelling by
Genetic Algorithms

CALL FOR PAPERS

Papers are invited on the topics outlined above and others which fall within the general scope of the conference. Abstracts should be submitted with the attached registration form by 30 November 1999 to the Conference Organising Committee.

Abstracts must not exceed one page (format A4, simple spaced) and should clearly state the methodology, purpose, results and conclusions of the final paper. All abstracts will be refereed before final acceptance.

Full papers must be submitted by 31 May 2000 to the Organising Committee. Papers should be up to 8,000 words long. All papers will be reviewed by at least two referees before acceptance for publication. A notification of acceptance, modification or refusal of papers will be sent by 30 September 2000.

CONFERENCE PROCEEDINGS

The proceedings of the International Conference on Applications of Machine Learning to Ecological Modelling will be published to a high standard for delegates of the conference. Selected papers will be published in a special volume of the *Springer Verlag Modeling Dynamic Systems Series*. Other papers will form special editions of *Ecological Modelling, Elsevier* and *Environmental Modelling & Software, Elsevier.*

TIME SCHEDULE

Return Registration Form: as soon as possible
Submit Abstract (400 words): 30 November 1999
Submit Final Paper (8,000 words): 31 May 2000

ADELAIDE

Adelaide is the capital of the state South Australia. It is a modern city with a population of about 1.2 million people.

Adelaide is the most diverse South Coast City of Australia with spectacular scenery - the Adelaide Hills, vineyards, sandy beaches and a sparkling ocean that set the mood for a relaxed lifestyle. The city lies between the Adelaide Hills to the North and the mighty Spencer Gulf to the South. The International Airport is located 5 kilometers west of the city center.

Adelaide is the wine capital of Australia. High quality wines are made in traditional vineyards and wineries in the surroundings of Adelaide.

There is a cosmopolitan flavour to the city's arts community. The Adelaide Festival and Convention Center is ideally located at the River Torrens and is within walking distance of most of the major downtown hotels.

Enjoy world-class dining from rich European to sumptuous Chinese cuisine. Seafood is the local delicacy, fresh from the ocean and cooked for you in many imaginative ways.

Adelaide has Mediterranean climate with warm to hot, dry summers and cool to mild winters. Average summer temperature in November/December is 28oC.