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HOLLIFARK  
SOUTH AFRICA











	AI Organisations & People	AI Technology	Personal AI Path
1960s			
1970s			
1980s			

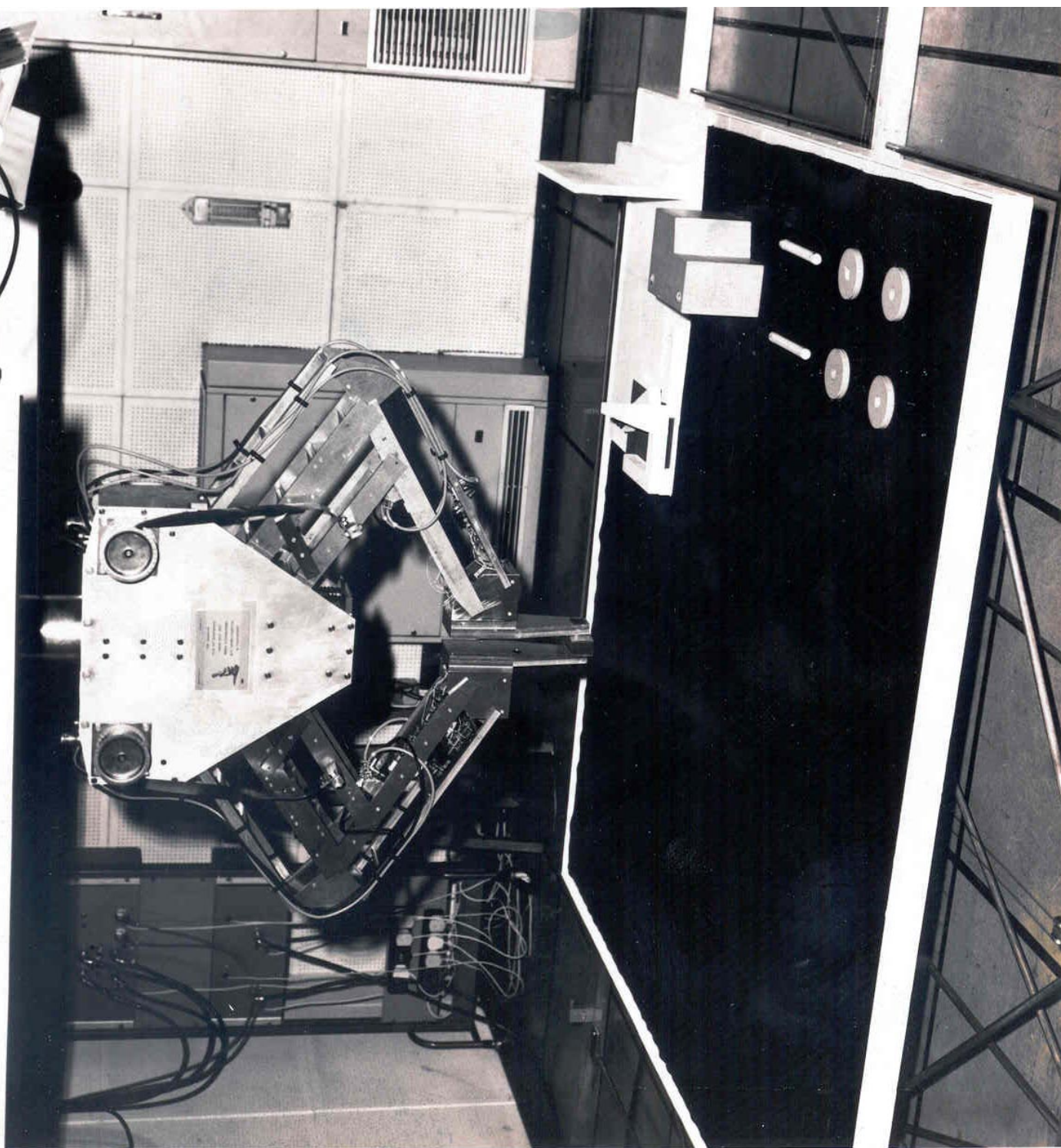
# POP-2

- 3 Introduction
- 3 Simplicity and ease of use
- 5 POP-2 saves money
- 6 POP-2 applications
- 7 POP-2 library and filing system
- 8 POP-2 special features
- 18 Preliminary reactions to POP-2
- 19 POP-2 implementations
- 20 Documentation

**CONVERSATIONAL  
SOFTWARE  
LIMITED**

**5 HOPE PARK SQUARE  
MEADOW LANE  
EDINBURGH  
EH8 9NW  
SCOTLAND**











ALVEY PROGRAMME  
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1985  
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1985

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ALVEY ACHIEVEMENTS

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ALVEY - IKBS DIRECTORATE  
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Project Summaries  
For Projects started between  
October 1985 and December 1987

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ALVEY  
SECOND MEETING OF COMMUNITY CLUBS  
CBI BUILDING, CENTRE POINT  
6th FEBRUARY 1987



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SERC - DoI  
IKBS Architecture Study  
Intelligent Knowledge Based Systems  
A Programme for Action in the UK

ALVEY  
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# Turing Institute







## UNIVERSITY OF EDINBURGH

The University of Edinburgh started work in Artificial Intelligence in 1970. It is now the largest and in all aspects the only department of Artificial Intelligence in Scotland. It has over 200 people researching in this field. As a result, it now hosts the largest and in all aspects the only department of Artificial Intelligence in Scotland. It has over 200 people researching in this field. As a result, it now hosts the largest and in all aspects the only department of Artificial Intelligence in Scotland. It has over 200 people researching in this field.

## ARTIFICIAL INTELLIGENCE

### ARTIFICIAL INTELLIGENCE

The techniques and tools developed in Edinburgh are now being used in a wide range of commercial and industrial interests. A.I.A. is a technology transfer centre for the interpretation and presentation of research results to the business community. A.I.A. is located in central Edinburgh, Scotland. Department of Artificial Intelligence Research.

### TECHNICAL G

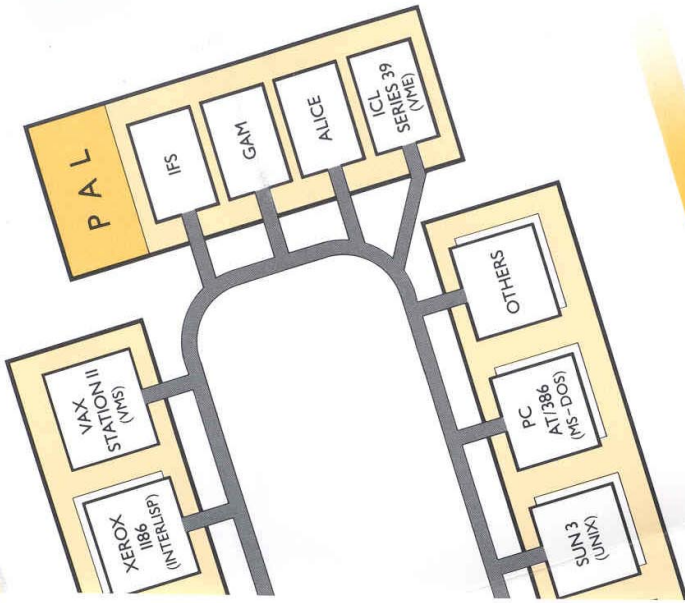
A.I.A. is an organization of specialists. The group is made up of:  
▲ Knowledge  
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# The Establishment of an ARTIFICIAL INTELLIGENCE APPLICATIONS INSTITUTE

at the  
University of Edinburgh



University of Edinburgh



## PAL

AIAl hosts a national Parallel Architecture Laboratory (PAL) which encourages cooperative work on novel architectures and their software. A variety of these are currently being investigated, including a graph engine and the FACIT/GAM (Generic Associative Memory) and IFS (File Store), developed under the Alvey Programme. Further architectures are accessible through the University's Parallel Architecture Consortium of which AIAl is a member. PAL is jointly supported by the Alvey Programme.

established hardware and software for substantial and suitable applications available

JPLTG

JFSS  
ble to assist visiting the Alvey Programme.



# SoftwareEcho

The Journal of the Scottish Software Community

Autumn '91 Issue 3



Four of the leading players in the field of Artificial Intelligence in Scotland.  
Top left then clockwise, Jack Donald, Professor Austin Tate, Professor Jim Howe and Professor Donald Michie.

Artificial  
Intelligence in  
Scotland

DEC's new Software  
Research Centre

Edinburgh Super  
Computer

Young Software  
Engineer '91



Feigenbaum  
McCorduck  
Nii

Edward Feigenbaum, Pamela McCorduck,  
and H. Penny Nii

Foreword by Tom Peters

# THE RISE OF THE EXPERT COMPANY

THE RISE OF THE  
EXPERT COMPANY

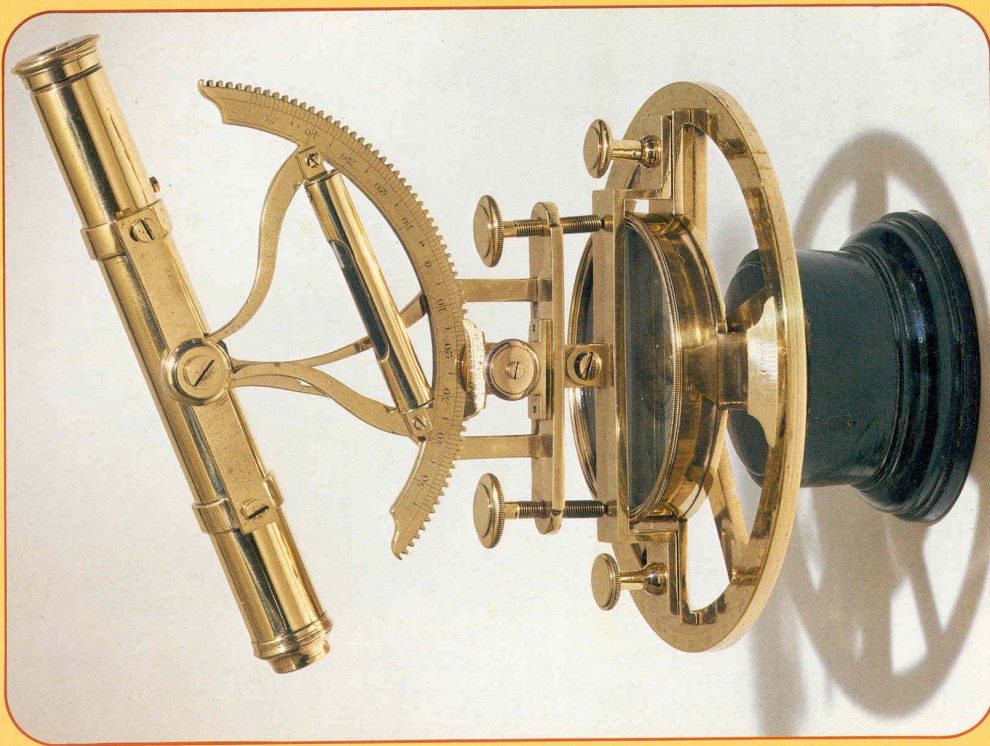
HOW VISIONARY COMPANIES  
ARE USING ARTIFICIAL INTELLIGENCE  
TO ACHIEVE HIGHER  
PRODUCTIVITY AND PROFITS



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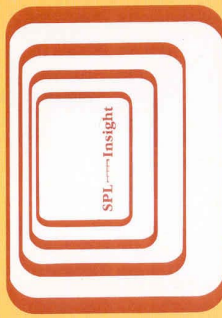
# SPL Insight



**The International Study Group**  
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## Organisations participating in SPL-Insight Meetings and SPL Fifth Generation Computer Project have included:

- Adia Gevaert Belgium
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- Chart Service College UK
- CTL UK UK
- Commission of the European Communities Belgium/Italy
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- COFTA UK
- Control Data Belgium/UK
- Compeda UK
- Compucentrum Groningen NL
- DHSS UK
- DHV Consulting Engineers NL
- Danish Defence Research Est UK
- Data Logic UK
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- Reed International UK
- RISO National Laboratory Denmark
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- South Eastern Gas UK
- SRI UK
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### SPL-Insight

- Systems Designers
- Pembroke House
- Pembroke Broadway
- Camberley
- Surrey GU15 3XD, UK
- Telex: 88828 SYDES
- Telephone (UK): 0276 686200
- Telephone (International): +44 276 686200

- ### Systems Designers
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  - Camberley & Abingdon
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  - Aberdeen & Glasgow
  - Washington, USA
  - Zeist, Netherlands
  - Milan, Italy
  - Stockholm, Sweden
  - Brussels, Belgium



# Call for participation

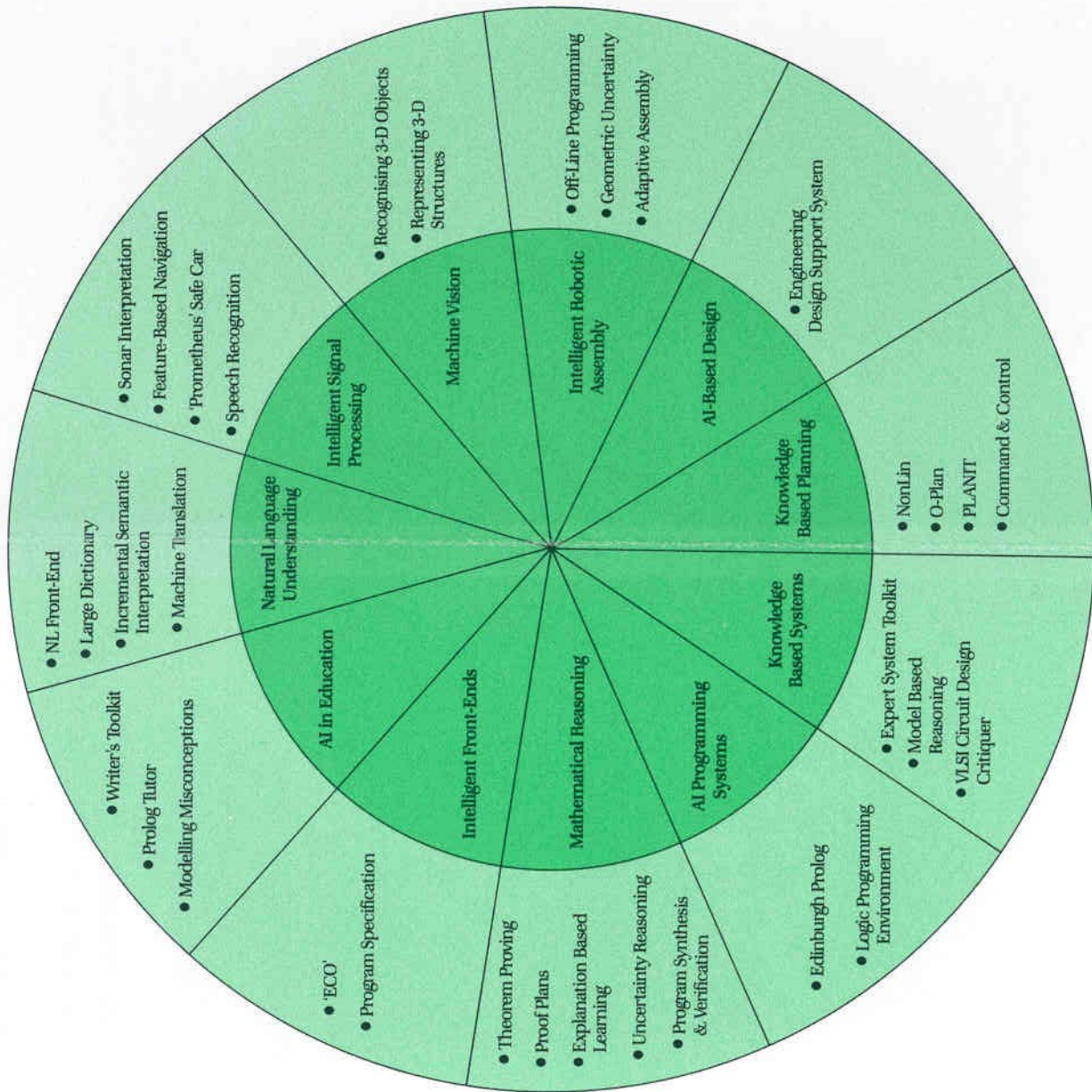
The scientific scope of the conference includes, but is not limited to the following topics:

## List of area keywords

abduction  
adaptive systems  
AI architectures  
AI and data integration  
AI and creativity  
AI and security  
AI and the Internet  
applications  
art and music  
artificial life  
automated modeling  
automated reasoning  
autonomous agents  
belief revision and update  
business intelligence  
case-based reasoning  
causality  
cognitive modeling  
cognitive robotics  
common-sense reasoning  
computational complexity  
computer-aided education  
conceptual graphs  
configuration  
constraint programming  
constraint satisfaction  
corporate knowledge  
customer relationship management  
data mining  
decision theory  
decision trees  
description logics  
design and configuration  
dialog processing  
diagnosis  
discourse modeling  
distributed AI  
enabling technologies  
expert systems  
game playing  
genetic algorithms  
geometric reasoning  
heuristics  
human computer interaction  
inductive logic programming  
information agents  
information extraction  
information retrieval  
intelligent databases  
intelligent e-mail processing

intelligent query processing  
knowledge acquisition  
knowledge discovery  
knowledge engineering  
knowledge representation  
lifelike characters  
logic programming  
machine learning  
machine translation  
market-oriented programming  
mathematical foundations  
model-based reasoning  
multiagent systems  
multimedia  
natural language  
negotiation  
neural networks  
non-classical computation models  
nonmonotonic reasoning  
ontologies  
perception  
personalization  
planning  
philosophical foundations  
predictions  
probabilistic reasoning  
problem solving  
qualitative reasoning  
reactive control  
real-time systems  
reasoning about actions and change  
reinforcement learning  
resource-bounded reasoning  
robotics  
rule learning  
satisfiability  
scheduling  
scientific discovery  
search  
semantic web  
simulation  
software agents  
spatial reasoning  
spatial and temporal databases  
speech processing  
temporal reasoning  
theorem proving  
uncertainty  
user interfaces  
user modeling  
validation and verification  
virtual reality  
vision  
web agents  
web intelligence  
web mining  
web search





Application      Research





	AI Organisations & People	AI Technology	Personal AI Path
1960s	EPU DMIP	AI Languages → AI Compilers	POP-2
1970s	DAI MIRU	AI Compilers → AI Systems	Planning
1980s	Alvey Turing Institute AIAI	Expert System Shells → Applications	AIAI



80

UNIVERSITY OF EDINBURGH

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INTELLIGENT SYSTEMS AND THEIR APPLICATIONS

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Director Dr D. Robertson

Enquiries Room E21

Artificial Intelligence  
Applications Institute

Technical Director Prof A. Tate

Enquiries Room E21

Rooms E1-E32

LEVEL F

Library

Rooms F1-F15



## Artificial Intelligence Applications Institute



AIAI was established in 1984 to encourage the development and take-up of artificial intelligence methods. AIAI is part of the Centre for Intelligent Systems and their Applications within the School of Informatics at the University of Edinburgh.

## International Innovation In Artificial Intelligence

Four decades of world-leading research and teaching in AI at Edinburgh.  
Two decades of innovative applications of AI at AIAI.

Examples of key achievements include:

- **Formation** - a system to lay out all British Telecom Yellow Pages directories and to create a new business area for Pindar Set Ltd for responsive marketing support and catalogue layout systems. Winner of an award for innovative applications of AI in 1998.
- **Expert Provisioner** - a system for the RAF Logistics to assist with procurement of spare parts. Saves £30m per annum for the RAF and is now being deployed to the British Army and Navy.
- **EASE** - system deployed throughout Europe to estimate occupational exposure to hazardous substances for health and safety regulations.
- **Fraud Detection** - Case-Based Reasoning has been applied to screen applications for financial products with MCL Software.
- **GhostWriter** - multilingual support for aero-engine maintenance procedures with British Aerospace and Dassault Aviation (France).
- **O-Plan** and **I-X** - command, planning and control agents to support non-combatant evacuation operations, US Army military operations in urban terrain, multinational coalition operations, disaster relief, etc.
- **Optimum-AIV** - planning system for assembly, integration and test of Ariane IV payloads for the European Space Agency.
- **EUMETSAT** - specification of the telecommand system for the European Meteorological Spacecraft Control Centre.
- **International Standards** - inputs to the development of standards for process specification, workflow, enterprise modelling, etc.

You are being forwarded to [AIAI's Main Web Site](#).

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