

TRANSMITTAL SLIP		DATE
TO: ① Director, ODP		2 DEC 1963
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FROM:		
ROOM NO.	BUILDING	EXTENSION

Central Intelligence Agency
Washington, D.C. 20505

1 December 1983

Planning Staff

NOTE FOR: Executive Director
Executive Assistant/Executive Director
ISB Members

	C/IHC/ICS
	P&PS/ICS
	O/Compt

SUBJECT: AI Symposium

Attached is the official schedule of events
for the AI Symposium to be held 6, 7, & 8 December.
It is hoped that you will be able to attend.

[Redacted Signature]

Executive Secretary, ISB

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ARTIFICIAL INTELLIGENCE SYMPOSIUM

"INTELLIGENCE APPLICATIONS OF AI"

Sponsored By

U.S. INTELLIGENCE COMMUNITY

December 6, 7, & 8, 1983

**MAIN AUDITORIUM
CIA HEADQUARTERS
LANGLEY, VA.**

By Invitation Only

**Symposium Co-ordinator: SMART SYSTEMS TECHNOLOGY, Inc.
Specializing in Artificial Intelligence Education and System Implementation**

Program - First Day, Morning Session, Tuesday, December 6, 1983

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Symposium Chairman:



Executive Secretary, AI Steering Group
Office of Research and Development
Central Intelligence Agency

8:30	Dr. Philip K. Eckman Chairman, AI Steering Group Office of Research and Development Central Intelligence Agency	Symposium Objectives
8:45	Dr. Richard D. DeLauer Under Secretary of Defense for Research and Engineering	AI and Defense
9:00	Dr. Patrick H. Winston Professor of Computer Sciences Director, Artificial Intelligence Laboratories MIT	Overview of Artificial Intelligence Research
10:00	Coffee Break	
10:15	Dr. Patrick H. Winston, MIT	Overview of AI Applications
11:00	Industry Panel: Xerox, Apollo, Symbolics, DEC, E-Systems, LMI	Descriptions and Schedule of AI Demonstrations

Program Note: Several computer manufacturers have made AI processors available during the three days of this conference for demonstrations of AI tutorial programs and working AI systems. These will be available during the mid-day breaks and following the afternoon sessions in the Tunnel adjacent to the Auditorium. Schedules of these demos are posted in the Auditorium Lobby. Additional demos may be scheduled by arrangement with the manufacturers' representatives.

12:00 Lunch Break - System Demos in Auditorium Tunnel

Program - First Day, Afternoon Session, Tuesday, December 6, 1983

Session Moderator: Lt. Col. James T. Jones
Vice Dean
Defense Intelligence College

1:30	Dr. Rodney Brooks Assistant Professor Computer Science Department Stanford University	Overview of AI Applications in Computer Vision and Image Understanding
2:30	Coffee Break	
2:45	Dr. Raj Reddy Professor of Computer Science Carnegie-Mellon University Director, The Robotics Institute	Overview of AI Applica- tions in Robotics and Speech Understanding
3:45	Panelists: Dr. Patrick H. Winston, MIT Dr. Raj Reddy, CMU Dr. Rodney Brooks, Stanford	Current Trends in AI Research
4:15	End First Day Program - System Demos in Auditorium Tunnel	

Program - Second Day, Morning Session, Wednesday, December 7, 1983

Session Moderator: Commander Paul E. Tilson, Jr.
U. S. Navy

THIS SESSION WILL BE CLASSIFIED SECRET

8:30	Mr. David Y. McManis National Intelligence Officer/ Warning Central Intelligence Agency	Intelligence Requirements
9:15	Dr. Gian-Carlo Rota Director's Office Fellow Los Alamos National Laboratories Professor of Applied Mathematics and Philosophy MIT	Observations and Specu- lations on the Effect of the Computer on Scientists
10:00	Coffee Break	
10:15	Dr. James Slagle Naval Research Laboratory	"BATTLE" Resource Alloca- tion Project: Expert Advisor for Weapons Allo- cation.
10:45	Dr. Gerald A. Wilson Senior Computer Scientist Advanced Information and Decision Systems	Computer-Based Assistant for Science and Technology Analysis
11:30	Mr. Mark Williams Senior Staff Engineer ESL Inc.	AI in Signal Processing
12:00	Lunch Break - System Demos in Auditorium Tunnel	

Program - Second Day, Afternoon Session, Wednesday, December 7, 1983

Session Moderator:

[Redacted]

Image Research Scientist
Office of Research and Development
Central Intelligence Agency

THIS SESSION WILL BE CLASSIFIED SECRET

- 1:30 Dr. Donald Close Image Understanding Project
Program Manager
Hughes Aircraft Company
- 2:00 Dr. Bobby Hunt AI Applications in Synthetic
Chief Scientist Aperture Radar Image Inter-
Science Applications, Inc. pretation
- 2:30 Coffee Break
- 2:45 Mr. John C. Kelly An Operational Artificial
Senior Staff Engineer Field Engineer for Tuning A
TRW Defense Systems Group Signal Sorter--The User's
Viewpoint
- 3:30 [Redacted] AI Applications in Image
EH/R&AD/DPG/NPIC Analysis
Central Intelligence Agency
- 4:00 End Second Day Program - System Demos in Auditorium Tunnel

Program - Third Day, Morning Session, Thursday, December 8, 1983

Session Moderator:

Chief Techniques Staff
National Security Agency

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- 8:30 Dr. Robert Kahn DARPA Strategic Computing
Director, Information Processing Program
Techniques Office - DARPA
- 9:15 Dr. John A. Robinson Japan's Fifth-Generation
Professor of Computer and Computing Project: Objec-
Information Science tives, Status and Prospects
Syracuse University
- 10:00 Mr. John N. McMahon AI and Intelligence
Deputy Director of Central
Intelligence
Central Intelligence Agency
- 10:15 Coffee Break
- 10:30 Panel: What are the Problems and Requirements for Starting
and Maintaining a Government AI Facility?
- Panelists:
- Dr. George Lukes, Physical Scientist, Research Institute
US Army Engineer Topographic Laboratories
Dr. James S. Albus, Chief, Industrial Systems Division
National Bureau of Standards
Dr. David L. Gifford, Image Research Scientist
Office of Research and Development
Dr. Jude E. Franklin, Manager, Navy Center for Applied
Research in Artificial Intelligence
Dr. Northrup Fowler, III, Computer Scientist,
Griffiss Air Force Base
Mr. David Brown, Assistant Director, Advanced Computer Systems
Department, SRI International
- 12:00 Lunch Break - System Demos in Auditorium Tunnel

Program - Third Day Afternoon Session, Thursday, December 8, 1983

Session Moderator:



Chief - Development & Implementation Division
DIA

1:30 Industry Panel : Why is Private Industry Investing in AI?

Panelists:

- Dr. Charles Herzfeld, Vice President and Director of Research and Technology, ITT Corporation
- Dr. Edward C. Taylor,, Director of Requirement Analysis TRW, Defense Systems Group
- Mr. Dennis E. O'Connor, Senior Group Manager for Intelligent Systems Technologies Group, Digital Equipment Corporation
- Dr. Carl Smith, Staff Computer Scientist, Shell Development Company
- Dr. Floyd Hollister, Senior Member, Technical Staff, Computer Science Laboratory, Central Research Laboratories, Texas Instruments, Inc.
- Dr. Carl Love, Senior Consultant, Corporate Planning, Westinghouse Electric Corporation
- Dr. Dan Schutzer, Vice President, Citibank

2:30 Coffee Break

2:45 Industry Panel Continues

3:30



Executive Secretary, AI Steering Group
Office of Research and Development
Central Intelligence Agency

Future Directions for the
AI Steering Group

4:00 End Third Day Program