

April 13-15, 1984



**BE PART
OF THE
BEGINNING**

**INTERNATIONAL
PERSONAL ROBOT
CONGRESS &
EXPOSITION 1984**

**Albuquerque Convention Center
Albuquerque, New Mexico, U.S.A.**

ATTENDEE REGISTRATION INFORMATION

ABOUT THE CONGRESS. . .

IPRC '84 will offer an opportunity for robot enthusiasts to display their creations and enter them in various *competitions*. There will also be *commercial exhibits* and *seminars* on personal robots, as well as *cultural events* portraying the history and mythology of personal robots.

The Congress will open with a major ceremony — an event complete with dignitaries, limelight, media, robots and fanfare. The Congress will close with an Awards Brunch recognizing the individual achievements of the Personal Robot Developers in their exhibitions and competitions.

EXPECTED ATTENDANCE

5,000

WHO WILL ATTEND. . .

MANUFACTURERS are coming with the first generation of the commercial personal robots.

PERSONAL ROBOT DEVELOPERS are bringing their own robots from their private workshops and labs.

SUPPLIERS OF ROBOT GEAR are showing batteries, sensors, motors, wheels, tracks, gears and garments that are the material of robots.

EDUCATORS are coming to discuss what and how we can learn from robots.

SOFTWARE DEVELOPERS will show wares that give purpose and promise to robots.

LAWYERS are coming to explain, discuss and define the place of personal robots in the order of our society.

MEDICAL PERSONNEL are coming to find out how personal robots can assist the elderly and handicapped.

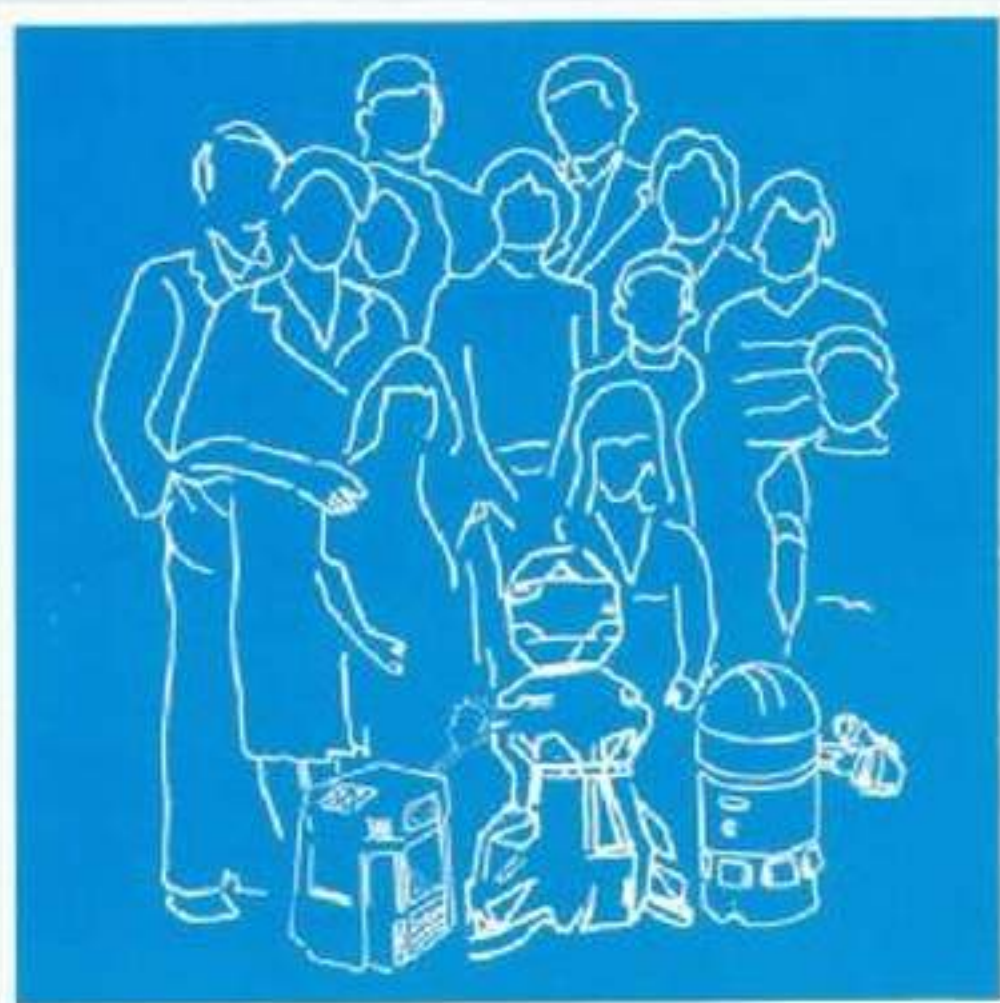
JOURNALISTS are coming to record and report the beginning of the era of personal robots.

MARKETING EXPERTS are coming to tell us how to move personal robots into all of our daily lives.

CAPTAINS OF INDUSTRY AND FINANCE are coming to illuminate the special opportunities and problems of personal robots in business.

WEAVERS OF DREAMS are coming. . .the writers and romantics who point the way.

STUDENTS, HOBBYISTS, ROBOT ENTHUSIASTS FROM AROUND THE WORLD are coming to exchange information, to observe all the wonders and to *be part of the beginning*.



This is your chance to see history in the making. It is the personal robot industry's first public showing. History books will be written about it and documents will be recorded. There will be newspaper, television, radio and magazine coverage. It is an event that you won't want to miss. Plan to attend and *be part of the beginning*.

The Steering Committee formed to direct IPRC '84 consists of Joe Bosworth, Chairman of the Steering Committee and President of RB Robot Corporation; Douglas Bonham, Director of Educational Marketing and Development at the Heath Company; Tom Frisina, President of Androbot, Inc.; Nelson Winkless, President of ABQ Communications (official historian of the Congress); and Russ Eberhart, Executive Director of IPRC and President of Computer Junction, Ltd.

IPRC is a non-profit organization. The Congress has been endorsed by:

British Robot Association
Robot Institute of America
Robotics Society of America

TENTATIVE PROGRAM

- **HARDWARE DESIGN CONSIDERATIONS**

- Vision Systems
- Tactile Sensors
- Voice Synthesis & Recognition
- Control Systems

- **SOFTWARE DESIGN CONSIDERATIONS**

- Opportunities for Software Development
- Standardization
- Robot Operating Systems

- **ROBOTS IN EDUCATION**

- Program Funding
- Curriculum Planning
- Role of Educational Institutions and Associations

- **FUTURE OF PERSONAL ROBOTS**

- Objectives
- Constraints
- Social Implications

- **LEGAL ISSUES**

- Trade Laws
- Liabilities
- Questions about Laws
- Industry Guidelines
- Regulations (such as FCC, FTC, UL, etc.)

- **HUMAN SERVICES**

- Applications for the Disabled and Handicapped
- Funding
- Rescue & Reduced Risk
- Health Maintenance
- Therapeutic Support

- **BUSINESS OPPORTUNITIES**

- Investment in Personal Robots
- Starting Your Own Business
- Retailing Robots
- Third Party Software Development

FEATURED SPEAKERS



Isaac Asimov is the author of over 280 books in his 40-year writing career. He is also known to be one of the most famous interpreters of the sciences in the world today. Dr. Asimov is a brilliant man whose warmth and humor further enhance his talent as a speaker.



David L. Heiserman is a freelance writer and R&D consultant in Columbus, Ohio. Five of his eighteen books deal with robotics for amateurs.



Nolan K. Bushnell, father of the electronic game, currently heads Catalyst Technologies - a "dream factory where technological fantasies are transformed into marketable realities".



Joseph F. Engleberger, founder and President of Unimation, Inc., has authored numerous articles in the instrumentation field and in robotics. Mr. Engleberger is generally considered to have been the driving influence in the creation of the industrial robot industry.

SESSION LEADERS

- EDUCATION** — **Douglas Bonham**: Director of Educational Marketing & Development, Heath Company
- LEGAL ISSUES** — **Marvin Rosenblum**: Chicago attorney, Marvin J. Rosenblum Ltd.
- HUMAN SERVICES** — **Larry Liefer, Ph.D.**: Director, Rehabilitation Research & Development Center
— **K.G. Englehart**: Research Health Scientist, Rehabilitation Research & Development Center
- FUTURES** — **Nolan K. Bushnell**: Chairman of the Board, Androbot, Inc.
- BUSINESS** — **Sanford J. Garrett**: Vice President, Paine Webber Mitchell Hutchins
- SOFTWARE** — **William R. Slade, III**: Director of Operating Systems, Excalibur
- HARDWARE** — **Dan Prendergast**: Vice President of Research & Development, RB Robot Corporation

SPECIAL EVENTS

CULTURAL EVENTS

Historical and mythological events involving robots will be presented by well known personalities.

AWARDS BRUNCH

One of the highlights of the Congress will be the Awards Brunch on Sunday. Personal Robot Developers with prize-winning robots will be presented with "Golden Droid" awards by a distinguished speaker.

RECEPTION

There will be a reception for exhibitors and speakers to meet one another and discuss new ideas as well as develop new associations.

KEYNOTE SPEAKER

Isaac Asimov, one of the most widely known figures in the field of robotics, will give the keynote address. Considered a visionary in the field, Dr. Asimov was the first to coin the word "robotics" in 1942.

CONFERENCE PROCEEDINGS

Proceedings for the first Congress will be recorded and a book will be written on the participants and events of this historic gathering.

PROPOSED SCHEDULE

FRIDAY, APRIL 13, 1984

8:30 to 9:15 a.m.

Opening Ceremony

(Keynote address by Isaac Asimov)

9:30 a.m. to 12:30 p.m.

Hardware Design Considerations

Business Opportunities

Human Services

Legal Issues

12:00 noon to 6:00 p.m.

Exhibit hall opens (Trade Show)

SATURDAY, APRIL 14, 1984

8:30 to 9:15 a.m.

Featured Speeches:

Joseph Engleberger, Nolan Bushnell

9:30 a.m. to 12:30 p.m.

Software Design Considerations

Robots in Education

Future of Personal Robots

12:00 noon to 8:00 p.m.

Exhibits (General Public)

SUNDAY, APRIL 15, 1984

8:00 to 10:00 a.m.

Awards Brunch with presentation of

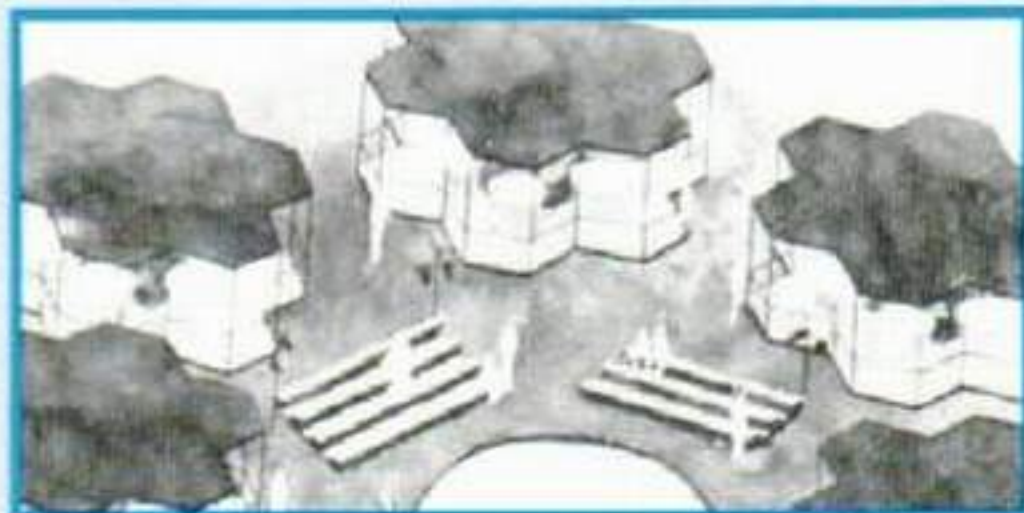
"Golden Droid" awards

10:00 a.m. to 4:00 p.m.

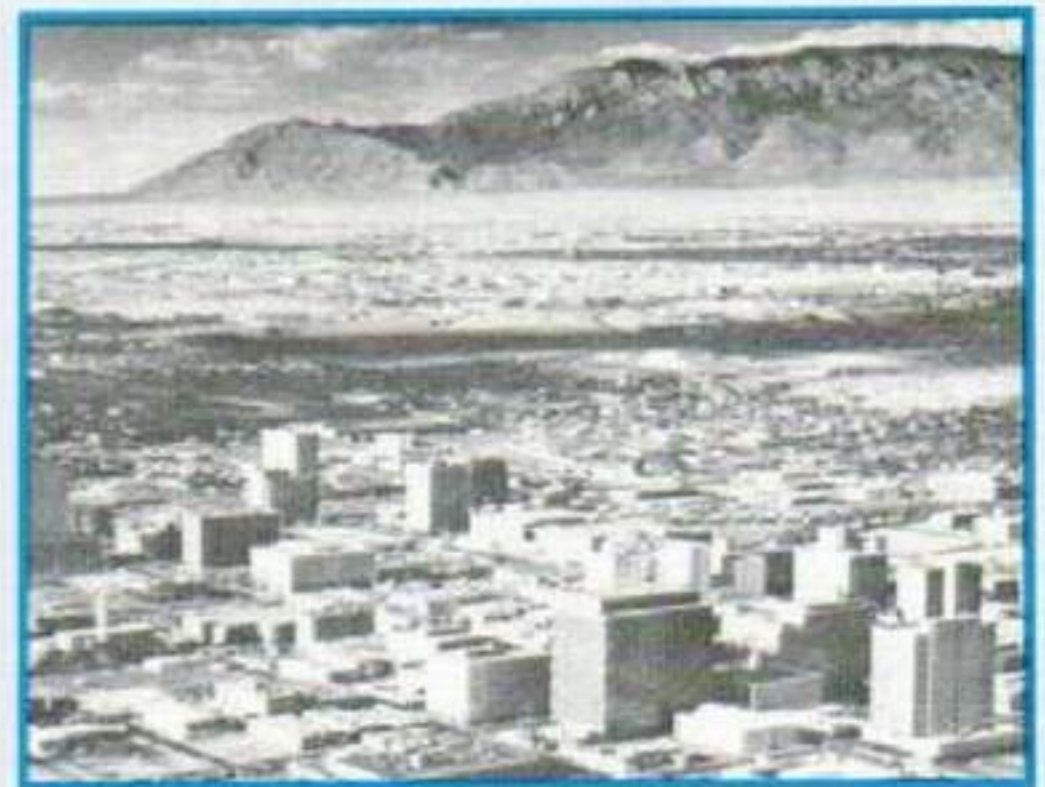
Exhibits (General Public)

PERSONAL ROBOT DEVELOPERS: COMPETITIONS

The Personal Robot Developers (individuals, clubs, classes . . . whoever has a robot worth seeing) will exhibit their creations for a modest fee at the Robot Shops. Their operators can maintain, repair and modify their systems in these shops in view and within speaking distance of interested exhibit attendees. The PRDs will engage in a series of competitions. Awards will be given in the areas of "most useful", "most entertaining" and "open". The categories of competition will be junior/senior high school, college, and general. Competition will culminate with the "Golden Droid" awards to be presented at the Sunday Brunch.



ABOUT THE CITY . . .



Albuquerque is a space age city that has never lost touch with its vivid, historic past. The uncommon combination of ultra-high tech and ancient culture provides an exciting atmosphere for attendees at the Congress. The city offers over 300,000 square feet of some of the finest convention facilities in America, is easily accessible by all forms of major transportation and contains over 10,000 hotel rooms.

REGISTRATION INFORMATION

Early registration is strongly recommended. Please fill out both the IPRC '84 Registration Form as well as the Hotel Rates & Registration Form as soon as possible. Should your plans change, your reservations can be cancelled up to March 13, 1984, provided IPRC receives your request in writing before that date. Hotel cancellation must be made before 6 p.m. on the day of projected arrival.

SPECIAL AIR TRAVEL ARRANGEMENTS

United Airlines and IPRC '84 have put together a special fare for Congress attendees traveling to Albuquerque between April 11-17, 1984. To obtain rates or to make reservations, call 800/521-4041 and ask for account code #84-39.

CONGRESS REGISTRATION

Each registration includes admission to:

- opening ceremony
- technical sessions
- commercial exhibits
- Robot Shops and competitions
- featured speeches
- Awards Brunch

Before Feb. 15: \$125.00* (U.S. Dollars)
After Feb. 15: \$145.00* (U.S. Dollars)

General Admission — includes admission to exhibit area and Robot Shops only: \$5.00/day

*International registrants please pay with a draft drawn on a U.S. bank.

IPRC '84 REGISTRATION FORM

Name: _____

Passport #: _____
(if not U.S. Resident)

Company Name: _____
(if applicable)

Address: _____
(or P.O. Box No.)

City: _____ State: _____

Country: _____ Zip: _____

Area Code: _____ Phone: _____

No. of Registrations: _____

Amount Enclosed: _____*

For more information please check:

- Commercial Exhibits
 Personal Robot Developer Exhibits & Competitions
 Additional Attendee Packets (No.) _____

For correspondence and remittance, mail to:
International Personal Robot Congress
1547 South Owens Street, #46
Lakewood, Colorado 80226 U.S.A.
303/278-0662

HOTEL REGISTRATION

Once this form has been processed you will receive a confirmation from the Housing Bureau. Shortly thereafter, you will receive an additional confirmation from the hotel to which you have been assigned. The hotel may request a cash deposit or credit card guarantee on your room. Immediate response from you is necessary to guarantee your reservations.

All changes or cancellations must be made with the individual hotels. No phone reservations will be accepted by the Housing Bureau, however for questions please call: 505/243-8349.

For your convenience, transportation will be provided to and from hotels to the Convention Center for attendees and exhibitors at no charge.

HOTEL RATES & REGISTRATION FORM

International Personal Robot Congress

Name: _____

Passport #: _____
(if not a U.S. resident)

Name(s) of other occupant(s) in the same room:

Address: _____

City: _____ State: _____

Zip: _____ Country: _____

Telephone: _____
(Area Code)

Arrival Date: _____ AM PM

Departure Date: _____ AM PM

No. of Persons _____ No. of Beds _____

NAME OF HOTEL	SINGLE RATE	DOUBLE RATE
A. Albuquerque Hilton	48.00	48.00
B. Amfac	53.00	65.00
C. Classic	58.00	64.00
D. Four Seasons	64.00*	74.00*
E. Holiday Inn	42.00	42.00
F. Marriott	59.00	69.00
G. Ramada	38.00	44.00
H. Regent	62.00	62.00
I. Rio Grande Old Town	30.00	35.00

List your choices by letter in order of preference:

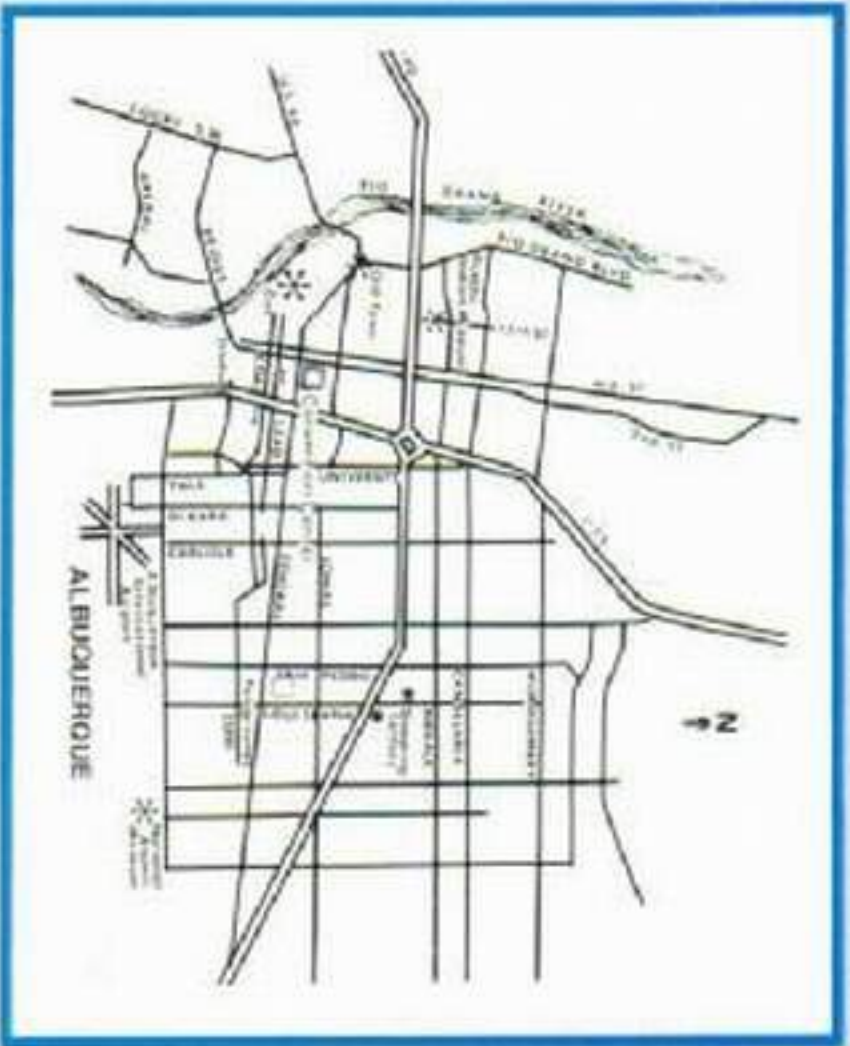
1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Special Requests:

(If more than one room is requested, please list quantity and kind here): _____

* Rate includes full breakfast and 2 hour Cocktail Party daily.
Deadline for the IPRC Housing Bureau
to handle hotel reservations is March 13, 1984.

MAIL TO: IPRC Housing Bureau, P.O. Box 26866
Albuquerque, N.M. 87125 U.S.A.
505/243-8349



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