

SIGGRAPH '92

Conference Locator

This conference locator provides times and locations for all SIGGRAPH '92 events, as well as helpful information about the conference. The "When & Where Index" on page 2 includes conference events and services. Times and locations for the technical program begin on page 4; exhibitor information begins on page 24 and shuttle service on page 16. To help you find your way from place to place there are maps of McCormick Place on pages 40-47.

Specific content and detail about all conference events including courses, papers, panels, and the exhibition are in the *SIGGRAPH '92 Final Program*.

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Conference At A Glance

	Sunday July 26	Monday July 27	Tuesday July 28
Registration/ Merchandise	12noon-10:00pm	7:30am-7:00pm	7:30am-7:00pm
Fundamentals Seminar	2:00pm- 5:00pm		
Welcoming Reception	5:00pm- 8:00pm		
Courses Full-day		8:45am-4:45pm	8:45am-4:45pm
Courses Half-day			8:45am- 12noon 1:30pm- 4:45pm
Art Show	5:00pm- 8:00pm	9:00am-7:00pm	9:00am-7:00pm
SIGKids		10:00am-4:00pm	10:00am-4:00pm
Courses Reception		7:00pm- 10:00pm	
G-tech			9:00am-7:00pm
Exhibition			10:00am-6:00pm
Showcase			10:00am-6:00pm
Electronic Theater			6:00-7:45pm 8:45-10:30pm
Keynote Address/ Recognition			
Computer Graphics Screening Room	5:00pm- 8:00pm	9:00am-7:00pm	9:00am-7:00pm
Papers			
Panels			
Papers/Panels Reception			

When & Where

Wednesday <i>July 29</i>	Thursday <i>July 30</i>	Friday <i>July 31</i>	Location Map Code
8:00am–6:00pm	8:00am–6:00pm	9:00am–1:00pm	North Upper 3 4
			East Upper McMahon 10
			North Mezzanine 8
			See page 4 10
			See page 5 10
9:00am–6:00pm	9:00am–6:00pm	9:00am–1:00pm	North Mezzanine 8
10:00am–4:00pm	10:00am–4:00pm	10:00am–4:00pm	East 20-W 1 18
			Navy Pier
9:00am–6:00pm	9:00am–6:00pm		North Mezzanine 11
10:00am–6:00pm	10:00am–3:30pm		North Upper 1
10:00am–6:00pm	10:00am–3:30pm		North Upper Exhibition 5
7:30pm– 9:15pm	7:30pm– 9:15pm		Arie Crown Theatre 17
8:45am– 10:00am			Arie Crown Theatre 16
9:00am–6:00pm	9:00am–6:00pm	9:00am–1:00pm	North Mezzanine M-2 9
10:30am–4:45pm	8:45am–4:45pm	8:45am–4:45pm	See page 6 16
10:30am–4:45pm	8:45am–4:45pm	8:45am–4:45pm	See page 6 16
	7:00pm– 10:00pm		Hyatt Regency Chicago



Monday Full-Day
8:45–4:45pm

<p><i>Beginning</i></p>	<p>1 Introduction to Scientific Visualization Tools and Techniques Sheraton Chicago Hotel & Towers Ballrooms I, II, III</p> <p>3 Fundamentals and Overview of Computer Graphics McCormick Place East Lindheimer Room</p>
<p><i>Intermediate</i></p>	<p>5 Graphic Design for User Interfaces McCormick Place East Chicago Room</p> <p>7 Distributed Scientific Visualization on High-Performance Networks Hyatt Regency Chicago Grand Ballrooms E, F</p> <p>9 Implementation of Immersive Virtual Environments McCormick Place East McMahan Room</p> <p>11 Radiosity Sheraton Chicago Hotel & Towers Ballroom IV</p> <p>13 Causes and Cures of Performance Anxiety in Graphics Systems Sheraton Chicago Hotel & Towers Chicago Ballroom VI</p> <p>15 Curve and Surface Design: From Geometry to Applications McCormick Place North M-1</p> <p>17 Advanced Techniques in Human Modeling, Animation, and Rendering Hyatt Regency Chicago Grand Ballrooms A, B, C, D</p> <p>19 An Introduction to Physically Based Modeling McCormick Place North M-6</p>
<p><i>Advanced</i></p>	<p>21 Writing RenderMan Shaders McCormick Place North M-3</p> <p>23 Procedural Modeling and Rendering Techniques Sheraton Chicago Hotel & Towers Chicago Ballrooms VII, IX, X</p>

**Tuesday Full-Day
8:45–4:45pm**

Tuesday Half-Day

2 Interactive Multimedia Authoring and Publishing

Hyatt Regency Chicago
Grand Ballrooms A, B, C, D

8:45am– 12noon

30 PEX Programming, a Mixture of PHIGS, PEXlib, X & Motif

McCormick Place East
McMahon Room

4 Video Technology for Computer Graphics

McCormick Place East
Chicago Room

32 Business Visualization Applications

McCormick Place North
M-1

6 HDTV Architectures From a Computer Graphics Perspective

McCormick Place East
Lindheimer Room

34 3D Visualization in Medicine

McCormick Place North
M-3

8 Introduction to Volume Visualization

Sheraton Chicago Hotel & Towers
Ballrooms I, II, III

1:30pm– 4:45pm

10 Color Theory and Models for Computer Graphics and Visualization

Sheraton Chicago Hotel & Towers
Chicago Ballroom VI

40 Computer Graphics in the Production of *FernGully: The Last Rainforest*

McCormick Place East
McMahon Room

12 Fractals: From Folk Art to Hyperreality

Sheraton Chicago Hotel & Towers
Chicago Ballroom VI

42 How to Design Something That Cannot be Printed: The Artist and Digital Pre-press

McCormick Place North
M-1

14 The OpenGL Graphics Interface

Hyatt Regency Chicago
Grand Ballrooms E, F

44 Applications of Computer Graphics to Molecular Modeling

McCormick Place North
M-3

16 Particle System Modeling, Animation, and Physically Based Techniques

Sheraton Chicago Hotel & Towers
Chicago Ballrooms VII, IX, X

18 Global Illumination

McCormick Place North
M-6

Papers

Wednesday 8:45am–10:00am	Keynote Session/Recognition McCormick Place East Arie Crown Theatre
10:30am–12noon	Morphing McCormick Place East Arie Crown Theatre
1:30pm–3:00pm	Efficient Polygonal Surfaces McCormick Place East McMahon Room
3:15pm–4:45pm	Humans and Clothing McCormick Place East McMahon Room
Thursday 8:45am–10:15am	Mathematical Techniques McCormick Place East McMahon Room
10:30am–12noon	Free-Form Surfaces and Deformations McCormick Place East McMahon Room
1:30pm–3:00pm	Virtual Reality McCormick Place East Arie Crown Theatre
3:15pm–4:45pm	Hardware and Multimedia McCormick Place East Arie Crown Theatre
Friday 8:45am–10:15am	Rendering McCormick Place East Arie Crown Theatre
10:30am–12noon	Animation McCormick Place East Arie Crown Theatre
1:30pm–3:00pm	Interactive Systems and Techniques McCormick Place East Arie Crown Theatre
3:15pm–4:45pm	Modeling McCormick Place East Arie Crown Theatre

Panels

Panels or Special Sessions

<p>Keynote Session/Recognition McCormick Place East Arie Crown Theatre</p>	<p>Keynote Session/Recognition McCormick Place East Arie Crown Theatre</p>
<p>Graphics Software Architecture for the Future McCormick Place East McMahon Room</p>	<p>From “Le Musée Imaginaire” to Walls Without Museums McCormick Place East Chicago Room</p>
<p>What Will Gigabit Networks Do for Visualization? McCormick Place East Arie Crown Theatre</p>	
<p>Implications of Merging Digital Television, Communications, and Computing McCormick Place East Arie Crown Theatre</p>	<p>Design, Creativity, and Process McCormick Place East Chicago Room</p>
<p>Research Topics in Virtual Reality McCormick Place East Arie Crown Theatre</p>	
<p>Progress Report From the Global Village McCormick Place East Arie Crown Theatre</p>	<p>Special Session: SIGKids Learning Laboratory McCormick Place East Chicago Room</p>
<p>Debating Multimedia Standards McCormick Place East McMahon Room</p>	<p>Visualization in Computational Biology McCormick Place East Chicago Room</p>
<p>Artificial Life McCormick Place East McMahon Room</p>	<p>Special Session: SIGGRAPH Town Hall Meeting McCormick Place East Chicago Room</p>
<p>3D Graphics Standards Debate: PEX vs. OpenGL McCormick Place East McMahon Room</p>	<p>Graphics Education for Computer Science McCormick Place East Chicago Room</p>
<p>Beyond Gouraud-Shaded Polygons... Where Will Graphics Hardware Go Next? McCormick Place East McMahon Room</p>	<p>From Perception to Visualization McCormick Place East Chicago Room</p>
<p>Color Space Wars McCormick Place East McMahon Room</p>	<p>Data Compression for Multimedia Systems McCormick Place East Chicago Room</p>

Tuesday

10:00am– 2:00pm

- 1 **The Distributed Virtual Windtunnel**
NASA Ames Research Center
- 2 **The Distributed Virtual Windtunnel**
NASA Ames Research Center
- 3 **Mapping the Human Genome**
Argonne National Laboratory
- 4 **Mapping Cognitive Function with Subdural Electrodes and Registration of Cerebral Evoked Potentials on 3D MRI**
University of Chicago and University of Illinois at Chicago
- 5 **Interactive Modeling and Visualization of Medical and Biological Data; Teleconferencing with Personable Computers; or 3D Object Input, Modeling, and Manipulation**
Digital Equipment Corporation
- 6 **Daylighting Simulation of the Zero Energy Building**
Colorado State University
- 7 **The Visible Embryo**
University of Illinois at Chicago
- 8 **Production Scientific Visualization Environment from Sandia National Laboratories**
Sandia National Laboratories
- 9 **Pion Propagator Visualization from Quantum Chromodynamics (QCD) Simulation**
Los Alamos National Laboratory
- 10 **Cornell and IBM Scientific Visualization**
Cornell University and IBM Corporation
- 11 **Jack**
University of Pennsylvania
- 12 **Jack**
University of Pennsylvania

2:00pm– 6:00pm

- 1 **Pathfinder—Probing Atmospheric Flows in an Interactive and Distributed Environment**
NCSA
- 2 **Regional Scale Weather Display in 3D**
Argonne National Laboratory and University of Illinois at Chicago
- 3 **Hyperspectral Imagery Program**
Argonne National Laboratory
- 4 **Brain Volume Visualization**
University of California, Los Angeles and University of Chicago
- 5 **Interactive Modeling and Visualization of Medical and Biological Data; Teleconferencing with Personable Computers; or 3D Object Input, Modeling, and Manipulation**
Digital Equipment Corporation
- 6 **High-Speed Data Visualization**
University of Minnesota
- 7 **Visualization of a Dynamic Model of Combustion**
Northwestern University
- 8 **The Distributed Laboratory (TDL): An Interactive Visualization Environment for Electron Microscopy and 3D Imaging**
San Diego Supercomputer Center (SDSC)
- 9 **Interactive Display and Steering of Remote Computations with the SciAn Scientific Visualization Package**
Supercomputer Computations Research Institute
- 10 **Cornell and IBM Scientific Visualization**
Cornell University and IBM Corporation
- 11 **Visualization for the Management of Renewable Resources in an Uncertain Environment**
University of Illinois at Chicago
- 12 **Interactive Imaging of Atomic Surfaces**
NCSA/Beckman Institute

Wednesday

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Digital Equipment Corporation
- 6 Scientific Digital Library**
NCSA
- 7 The Visible Embryo**
University of Illinois at Chicago
- 8 A Distributed Visualization Demonstration Using Workstations, A Heterogeneous Supercomputer Environment, and High-Speed Network Protocols**
Lawrence Berkeley and Pittsburgh Supercomputing Center
- 9 Remote Interactive Computing for Design and Optimization**
Argonne National Laboratory
- 10 Cornell and IBM Scientific Visualization**
Cornell University and IBM Corporation
- 11 Jack**
University of Pennsylvania
- 12 Jack**
University of Pennsylvania

2:00pm– 6:00pm

- 1 Digital Library of Astronomical Imaging Data**
NCSA
- 2 Distributed Visualization of Large Atmospheric Data Sets**
University of Wisconsin
- 3 The Database Computing Project: Analyzing High-Energy Physics (HEP) Data**
University of Illinois at Chicago
- 4 Realistic Modeling of Brain Structures with Remote Interaction Between Simulations of the Inferior Olive and the Cerebellum**
California Institute of Technology and University of Illinois at Chicago
- 5 Interactive Modeling and Visualization of Medical and Biological Data; Teleconferencing with Personable Computers; or 3D Object Input, Modeling, and Manipulation**
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- 11 Virtual Molecular Reality**
NCSA/Beckman Institute
- 12 Interactive Visualization of CT Data of a Dog Heart**
NCSA

Thursday

10:00am–1:00pm

- 1 **Pathfinder—Probing Atmospheric Flows in an Interactive and Distributed Environment**
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Digital Equipment Corporation
- 6 **High-Speed Data Visualization**
University of Minnesota
- 7 **Remote Visualization of Diffraction Patterns from NSLS X8C User Station**
Argonne National Laboratory and University of Illinois at Chicago
- 8 **A Distributed Visualization Demonstration Using Workstations, A Heterogeneous Supercomputer Environment, and High-Speed Network Protocols**
Lawrence Berkeley and Pittsburgh Supercomputing Center
- 9 **Remote Interactive Computing for Design and Optimization**
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NCSA

Cave Schedule

Tuesday–Thursday

Cave projects run continuously each day.

Molecular Dynamics of Membrane Protein and Receptor Protein Binding

Argonne National Laboratory and University of Illinois at Chicago

Graphical Planning for Brain Surgery

University of Chicago

The Virtual Embryo

University of Illinois at Chicago

The Snowstorm

University of Illinois at Chicago

Fractal Exploratorium

University of Illinois at Chicago

Cosmic Explorer

NCSA

Kuwaiti Oil Fires

University of Minnesota

Regional Scale Weather Display in 3D

Argonne National Laboratory and University of Illinois at Chicago

Virtual Molecular Reality

NCSA/Beckman Institute

Tuesday**9:00am–7:00pm****Wednesday–Thursday until 6:00pm****Apple Computer, Inc.**

The Virtual Museum

Art & Science, Inc.

Notes Toward a Mental Breakdown—An Interactive Fiction

Hypermedia Productions

A Memory Project: An electronic collage about memory and forgetting

MIT Media Lab

A System for Distributed Physical Interactions

Naimark

Virtual Environments of Actual Places through Field Recording and Human Crafting

Northwestern University

CreANIMate: A Biology Tutor

Psychic Lab Inc.

IBVA Biofeedback Hypermedia Workstation

Rhode Island School of Design (RISD)

Free Range Chicken

SIGGRAPH '92**Multimedia Paper**

A fast and accurate light reflection model

G-tech projects run continuously each day.**Sun Microsystems, Inc. and David Sarnoff Research Center**

DARPA High Resolution Video Workstation

U.S. Geological Survey

Landslides and Debris Flows: An Interactive Animation

University of Illinois at Chicago

Knowledge From Beauty: Applying Expert Systems to Aesthetic Judgement

Social Functions

SIGGRAPH at night

Do you come to life after dark? Can't sleep until the wee hours of morning? Or want to meet some more of the really great people at SIGGRAPH? From 10:00pm-3:00am you can stop by one of the SIGGRAPH at night areas at the conference hotels. Everyone is invited.

Sunday–Thursday 10:00pm– 3:00am

Blackstone Hotel
Ivy Room

Congress Hotel
Buckingham Room

Days Inn
Lake Shore Drive
Ontario Room

Hyatt Regency
Catch A Rising Star

Palmer House Hilton
Parlor G

Sheraton Chicago
Huron Room

Swissôtel
Crans Montana Suite

Sunday–Friday 10:00pm– 3:00am

Fairmont Hotel
Chancellor Room

Receptions

The courses reception on Monday night is open to all badged courses registrants and presenters with a ticket.

The papers/panels reception on Thursday night is open to all badged papers/panels registrants and presenters with a ticket. A group of conference attendees put away their computers and pick up the beat to entertain as the SIGband at the papers/panels reception. The annual T-shirt contest award will be presented. An award for the course rated best by SIGGRAPH '92 attendees will be presented.

Badged attendees may purchase additional tickets to the courses reception and the papers/panels reception subject to availability.

Courses reception

Navy Pier

Monday 7:00pm– 10:00pm

Papers/panels reception

T-shirt contest award

SIGband

Best course award

Hyatt Regency Chicago
West Tower Lobby

Thursday 7:00pm– 10:00pm

In conjunction with the art show at McCormick Place, SIGGRAPH '92 is holding a special showing of Midwest artists at the State of Illinois Building's Gallery, July 27–September 11, curated by Jane Stevens.

SIGGRAPH Executive Committee Business Meeting is open to members and guests Thursday, July 30, 5:00pm–7:00pm, Hyatt Regency Chicago, Regency Room.

Sunday

12noon-9:00pm

Wavefront Users Group - WAVE 92

McCormick Center Hotel, Room V
Rhonda Sanders Olsen (602) 263-3939

Tuesday

12noon-1:20pm

Temporary Art Zone

McCormick Place East, 20-W 12
Beverly Reiser (510) 482-2483

1:00pm-4:00pm

Video Toaster User Group

McCormick Place, John Evers Room
Mike Amron, (619) 277-5699

2:00pm-3:00pm

SIG E.M. (SIGGRAPH)

McCormick Place North, L-1
Ellyn Gore (214) 497-4141

2:00pm-4:00pm

Technology in Design

McCormick Place East, 20-W 7
Lorraine Justice (614) 292-1077

3:00pm-5:00pm

AVS Users Group Meeting

McCormick Place East, 20-W 14
Ian Reid (617) 890-4300

5:30pm-6:30pm

SMPTE Study Group Image Compression

McCormick Center Hotel, Room VIII
Gary Demos (310) 837-2985

6:00pm-8:00pm

PEX-IC (PEX Interoperability Committee)

McCormick Center Hotel, Room V
Lynn Thorsen (801) 582-5847

8:00pm-10:00pm

Component Recording VideoDisc Users Group

McCormick Place East, 20-W 14
Lou Skriba (708) 773-7553

Wednesday

12noon-1:20pm

Temporary Art Zone

McCormick Place East, 20-W 12
Beverly Reiser (510) 482-2483

12:15pm-1:00pm

Edugraphics Committee

McCormick Place North, L-1
Dennis Crawley (915) 858-0317

1:00pm-2:30pm

Sonification: Data Driven Sound

McCormick Place East, 20-W 7
Tom Palmer (919) 248-1117

1:00pm-2:00pm

Truevision Developer SIG

McCormick Place East, 20-W 14
Todd Morin (317) 841-0332, ext. 8750

1:30pm-2:30pm

SIGGRAPH Arts & Design Committee

McCormick Center Hotel, Room IX
Jane Veeder (415) 338-1356

2:00pm-3:00pm

ACM SIGGRAPH Education Committee

McCormick Center Hotel, Room VII
G. Scott Owens (404) 651-2245

2:00pm-3:30pm

Molecular Graphics

McCormick Place North, L-1
Michael E. Pique (619) 554-9775

2:00pm-4:00pm

Community College Curriculum Committee

McCormick Center Hotel, Room XIII
Carol J. Sutton (503) 284-9429

2:00pm-4:00pm

OpenGL

McCormick Place North, M-1
Bill Glazier (415) 335-1617

3:00pm-5:00pm

Amiga 3D Graphics & Animation

McCormick Place East, 20-W 12
Mark Thompson (603) 424-1829

3:30pm-4:30pm

ACM SIGGRAPH Education Committee Arts Curriculum

McCormick Center Hotel, Room V
G. Scott Owen (404) 651-2245

3:30pm-5:30pm

Graphics Performance Characterization (GPC) Committee

McCormick Place East, 20-W 14
Bob Cramblitt (919) 481-4599

4:00pm-6:00pm

Ithaca Software HOOPS User Group (HUG) Meeting

McCormick Place East, 20-W 7
Jennifer Kennedy (510) 523-5900, ext. 228

4:00pm-6:00pm

Prego-Open Graphical Environments

McCormick Center Hotel, Room VIII
Richard F. Puk (619) 753-9027

5:00pm-7:00pm

IRIS Explorer User Group

McCormick Place East, John Evers Room
Crystal VanBrug (415) 390-3515

5:30pm-7:00pm

Sun Microsystems Graphics Users Group

McCormick Center Hotel, Room VI
Doug Schiff (919) 460-8352

5:30pm-7:30pm

University of North Carolina at Chapel Hill Alumni Reunion

McCormick Center Hotel, Room II
Sharon Walters (919) 962-1740

6:00pm-7:00pm

The Khoros Group

McCormick Center Hotel, Room IX
Tom Sauer (505) 277-6563

6:00pm-8:00pm

Friends of Ithaca Software Social

McCormick Place East, 20-W 7
Jennifer Kennedy (510) 523-5900, ext. 228

6:00pm-10:00pm

Computer Graphics Pioneer Reception

Hyatt Regency Chicago
Gold Coast Room

7:00pm-9:00pm

Visual Development

McCormick Place East, John Evers Room
Crystal VanBrug (415) 390-3515

7:00pm-10:30pm

Interactive Computer Graphics Technical Committee

Sheraton Chicago Hotel & Towers, Superior A
R.G. Belie (818) 847-0800

8:00pm-10:00pm

Componenet Recording VideoDisc Users Group

McCormick Place East, 20-W 14
Lou Skriba (708) 773-7553

Thursday

10:00am-12noon

ACM SIGGRAPH Education Committee Community College Curriculum

McCormick Place North, M-1
G. Scott Owen (404) 651-2245

12noon-2:00pm

International Art, Science, Technology: Leonardo/ISAST; ISEA; TISEA (1992, Sidney); FISEA (1993, Minneapolis)

McCormick Place East, 20-W 14
Roman Verostko (612) 822-3800

12:15pm-1:15pm

Edugraphics "Birds of a Feather"

McCormick Place East, 20-W 12
Dennis Crawley (915) 858-0317

1:00pm-2:00pm

Computer Graphics in Computer Science Education

McCormick Place North, L-1
Jeffrey J. McConnell (716) 888-2434

1:30pm-3:00pm

Teaching Computer Imaging as Art

McCormick Center Hotel, Room IX
Andy Argyropouliss (312) 549-7727

2:00pm-3:00pm

ACM SIGGRAPH Education Committee Computer Science Curriculum

McCormick Place North, M-1
G. Scott Owens (404) 651-2245

5:00pm-6:30pm

University Group Animation Project '93

McCormick Place North, L-1
Barbara Mones-Hattal and Ken O'Connell
(703) 993-1021

5:15pm-6:15pm

Ray Tracing Roundtable

McCormick Place East, 20-W 14
Eric Haines (607) 257-1381

6:00pm-8:00pm

SIGTSHIRT T-Shirt Contest

McCormick Place East, 20-W 12
Jock Mackinlay (415) 812-4335

8:00pm-10:00pm

Component Recording VideoDisc Users Group

McCormick Place East, 20-W 14
Lou Skriba (708) 773-7553

Friday

12noon-1:30pm

Works on Paper

McCormick Place North, L-1
Renée LeWinter (617) 628-5695

SIGGRAPH provides free shuttle service between the conference hotels and all conference activities. Look for the signs indicating pick-up times and locations at the conference hotels and McCormick Place. Please contact American Sightseeing, (312) 427-3100, for handicap van service.

Shuttle buses leave approximately every 20 minutes from the conference hotels and McCormick Place, with more frequent service during the busiest times. McCormick Place service is available on the lower level of McCormick Place North, unless otherwise indicated.

Routes

- 1 Palmer House Hilton**
Service from Monroe Street entrance.
Congress Hotel
Service from Michigan Avenue main entrance.
Blackstone Hotel
Service from Congress Hotel, Michigan Avenue main door.
- 2 Hyatt Regency Chicago**
Service from Wacker Drive in front of East Tower.
Fairmont Hotel
Service from Hyatt Regency, Wacker Drive.
Swissôtel
Service from Hyatt Regency, Wacker Drive.
- 3 Days Inn Lake Shore Drive**
Service from Lake Shore Drive front entrance.
Sheraton Chicago Hotel & Towers
Service from East North Water front entrance.
- 4 McCormick Center Hotel**
Service from 23rd Street main entrance for receptions only.

Shuttles are free between conference hotels and conference activities.



Schedule

* Indicates more frequent departures.

Sunday 11:00am— 11:00pm

Monday 7:00am— *9:30am
9:30am— 4:00pm
4:00pm— *7:30pm

Course Reception 6:30pm— 10:30pm
Includes Navy Pier and McCormick Center Hotel.

Tuesday 7:00am— *10:30am
10:30am— 4:00pm
4:00pm— *8:30pm
8:30pm— 10:30pm
10:30pm— *11:30pm

From McCormick Place North Lower Level until 5:00pm only.

Electronic Theater 5:00pm— 7:30pm
Additional service at McCormick Place East, Gates 2 and 3 south of Arie Crown Theatre.

Night Service 7:30pm— 11:30pm
From McCormick Place East, Gates 2 and 3 only.

Wednesday 7:30am— *10:00am

Thursday 10:00am— 4:00pm
4:00pm— *7:30pm
7:30pm— 9:00pm
9:00pm— *10:00pm

From McCormick Place North, Lower Level and McCormick Place East, Gates 2 and 3.
Includes Electronic Theater.

Thursday Papers/
Panels Reception 6:30pm— 10:30pm
Includes McCormick Center Hotel.

Friday 8:00am— 6:00pm

From McCormick Place North, Lower Level and McCormick Place East, Gates 2 and 3.

Airport Service

O'Hare Airport Service Times

Tuesday, July 28	2:00pm—	6:00pm
Wednesday, July 29	2:00pm—	6:00pm
Thursday, July 30	2:00pm—	6:00pm
Friday, July 31	12noon—	3:00pm

Buses leave every 30 minutes, or better, according to demand. Pick up from the lower level of the North Building. Tickets may be purchased at boarding point. No reservations needed for O'Hare shuttle.

For service at other times, call (312) 454-7799 for pick up in front of the McCormick Center Hotel on 23rd Street.

Midway Airport Service

Service to Midway Airport is by reservation only and can be made by calling (312) 454-7799 for pick up from the McCormick Center Hotel.

For pick up from hotels, check with your individual hotel for service times.

Fares

O'Hare	\$13.00	one way
	\$23.00	round trip
Midway	\$9.50	one way
	\$17.50	round trip

Services at a Glance Unless noted, services are available during registration hours:

Sunday	12noon– 10:00pm
Monday–Tuesday	7:30am– 7:00pm
Wednesday–Thursday	8:00am– 6:00pm
Friday	9:00am– 1:00pm

Audio/visual services McCormick Place East
Jane Addams Room
Sunday–Friday 8:30am– 5:00pm

Conference management McCormick Place North
Upper Level, overlooking registration floor

Exhibition management McCormick Place North
Upper Level, overlooking exhibition floor

First aid office McCormick Place East
Lower Level

International business center McCormick Place North
Upper Level, registration
Friday Open until 5:00pm

**Luggage check
Lost and found** McCormick Place North
Lower Level, L-2

Media facilities McCormick Place North
Lower Level, L-4, 5, 7, 8, 9
Sunday Closes at 7:00pm

Merchandise desk McCormick Place North
Upper Level, registration

Merchandise boutique Mezzanine

Message center McCormick Place North
Lower Level, L3, and Mezzanine

Restaurant reservations McCormick Place North
Mezzanine

Shipping desk McCormick Place North
Upper Level, registration

Speaker's prep office McCormick Place East
Lobby Level, 20-W 8
Sunday 9:00am– 5:00pm
Monday–Thursday 7:00am– 10:00pm
Friday 7:00am– 4:00pm

Speaker's slide making McCormick Place East
Lobby Level, 20-W 8
Sunday 12noon– 5:00pm
Monday–Thursday 8:30am– 5:00pm

Travel assistance McCormick Place North
Mezzanine

Chicago

Attractions

Want to know more about Chicago? Stop by the Chicago Convention and Tourism Bureau information booth (McCormick Place North, Mezzanine) for a free guidebook to Chicago's entertainment, sightseeing, dining, shopping, and transportation.

Local transportation

SIGGRAPH has free shuttle service between McCormick Place and the conference hotels. But if you want to get somewhere else, you're in luck. Chicago is a city on the move. For less than \$2, the Chicago Transit Authority (CTA) buses and rapid transit gets you around the city, including to and from O'Hare International Airport. The CTA terminal at O'Hare is located under Terminal 4—the Congress-Douglas-O'Hare A and B trains take you into the downtown Loop area. Incidentally, Chicagoans refer to the rapid transit as the "L" (short for elevated) because the trains originally ran on elevated tracks. Trains now run in subways and at ground level, too. On Wednesday, Thursday, and Friday, Continental Bus service is available for \$13 from McCormick Center Hotel to O'Hare Airport. For more information on this service, as well as bus service to Midway Airport, see page 17. Taxis also are readily available around town; you generally can travel between downtown locations for under \$10; cab fare to O'Hare airport is under \$30.

Restaurants

You are guaranteed to find something you like to eat in Chicago and the restaurant information booth (McCormick Place North, Mezzanine) will get you started on your culinary adventures. The booth has menus from many popular restaurants around town and can assist you with reservations.

Child care

Child care services are offered by most SIGGRAPH '92 hotels. Contact the concierge desk or guest services at your hotel to find out which services are provided. There is no child care at McCormick Place.

Conference Hotels

Hyatt Regency Chicago

Headquarters Hotel
151 East Wacker Drive
Chicago, IL 60601
(312) 565-1234

Blackstone Hotel

636 South Michigan Avenue
Chicago, IL 60605
(312) 427-4300

Congress Hotel

520 South Michigan Avenue
Chicago, IL 60605
(312) 427-3800

Days Inn Lake Shore Drive

644 North Lake Shore Drive
Chicago, IL 60611
(312) 943-9200

Fairmont Hotel

200 North Columbus Drive
Chicago, IL 60601
(312) 565-8000

McCormick Center Hotel

451 East 23rd Street
(Lake Shore Drive at 23rd Street)
Chicago, IL 60616
(312) 791-1900

Palmer House Hilton

17 East Monroe Street
Chicago, IL 60690
(312) 726-7500

Sheraton Chicago Hotel & Towers

301 East North Water Street
Chicago, IL 60611
(312) 464-1000

Swissôtel Chicago

323 East Wacker Drive
Chicago, IL 60601
(312) 565-0565

Conference services

Extra tickets

Electronic Theater

Registration for a course and/or papers/panels includes one electronic theater ticket per person, not per registration category. Every attempt is made to accommodate your requested performance. All performances contain the same material. Badged attendees may purchase additional electronic theater tickets, subject to availability at the on-site registration counters beginning Tuesday, July 28 at 10:00am.

Receptions

Additional tickets for the courses reception and the papers/panels reception are available for purchase at the on-site registration counters.

International business center

SIGGRAPH's international business center, located at McCormick Place North, Upper level, is a place to meet with exhibitors who are interested in foreign trade. International attendees may use the center to communicate with their offices, meet other international attendees, and locate translators. The lounge offers coffee service.

Job-search services

SIGGRAPH '92 offers two new opportunities for attendees to advance their careers through job-search services. Business People Inc. (BPI), the official resume database provider for ACM, offers resume exchange and job-matching services at the BPI Booth #105 in the exhibition area during the regular exhibition hours.

Message center

No more slips of paper tacked to the wall—this year SIGGRAPH's message center is electronic. Attendees can send or receive messages from any electronic message center terminal. Printouts of messages are available only at McCormick Place North, Lower level, L-3.

Messages also can be sent to attendees from outside the conference via email as follows:

(lastname_firstname)@conference.siggraph.org

or by calling: (312) 808-2092

From the electronic message center terminals attendees can Telnet to any machine that is connected to the Internet address.

Open deck

Want to show a video to someone? Playback units and monitors are available on a first-come, first-serve basis adjacent to the speaker's prep office (McCormick Place North, 20-W 8).

Shipping desk

There's no reason to carry home your purchases from the exhibition or the technical materials you collect all week. The shipping desk, in the registration area, provides next day, second-day air, and regular ground services.

Special assistance desk

The special assistance desk helps attendees resolve a wide range of possible problems and concerns. This desk can provide assistance in the following situations:

- Course changes
- Credit card problems (validations, errors)
- Lost badges
- Misspelled names on conference materials
- Payments submitted without registration forms
- Refunds
- Receipts not received in the mail
- Registration forms submitted without payments
- Speaker problems (changes, missing ribbons)
- Substitute registration (only if authorized on company letterhead)

Please do not refer these problems to the special assistance desk:

- Housing problems:
go to the Travel Planners desk in McCormick Place North, Mezzanine
- Lost and found:
go to the general information booth in McCormick Place North, Lower level
- Media badges:
go to media office in McCormick Place North, Lower level, L-4

McCormick Place services**Luggage check/check room**

SIGGRAPH provides complimentary luggage check for briefcases, backpacks, and other small items during the conference hours. Items cannot be checked overnight. Check your bags in at McCormick Place North, L-2.

Office support

McCormick Place business center offers office space and copying, reproduction, fax, shipping, and secretarial services.

Restaurants

There are a variety of places to eat at McCormick Place, ranging from snack stands to full-service restaurants.

Parking

SIGGRAPH '92 attendees may use any of the available parking lots around McCormick Place. The parking lot south of the McCormick Center Hotel is accessible from 31st Street off of Lake Shore Drive. There is a public parking garage under the hotel.

Parking lots at Soldier Field and Burnham Harbor, north of McCormick Place, are accessible from Lake Shore Drive. An underground lot, located south of the East building, is accessible from 23rd Street off of Lake Shore Drive.

Merchandise**Advance sales**

To claim your advance purchases, present the yellow merchandise receipt you receive with your registration package and badge at the merchandise desk in the registration area.

Course, papers/panels materials

To receive the technical materials included with your registration, present your yellow receipt you received with your registration package and badge at the merchandise desk. Refer to page 48 for what you are entitled to receive with your registration.

On-site purchases

All technical materials and conference merchandise are available at the merchandise desk. To make a purchase, first complete a merchandise form at the fill-in counters in the registration area. Pay a cashier for your selections (cash, check, or credit card). To claim your materials, present your yellow receipt at the merchandise desk. The boutique also carries conference merchandise and some technical materials. Purchases can be made at the boutique, McCormick Place North, Mezzanine, using cash or credit cards.

The following items are available at the merchandise desk:

- Full set and individual course notes
- SIGGRAPH '92 Conference Proceedings
- SIGGRAPH '92 Visual Proceedings
- SIGGRAPH '92 Final Program
- Technical slide sets
- Industry/Applications slide sets
- Stereoscopic 3D slide sets
- Art slide sets
- Educators slide sets
- Coffee mug
- Commuter mug
- Flashlight/key chain
- Mouse pad
- SIGGRAPH '92 T-shirt
- SIGGRAPH '92 polo shirt
- Travel tote

Post-conference orders

SIGGRAPH '92 Conference Proceedings, Visual Proceedings, Final Program, and slide sets are available after the conference by calling or writing:

ACM Order Department
P.O. Box 64145
Baltimore, MD 21264 USA

(800) 342-6626 toll free

(301) 528-8596 fax

(301) 528-4261 from Alaska, Maryland, and international locations

Last Chance Booth

SIGGRAPH is cleaning its warehouse, and historical information is being sold at prices well below cost. Items are available at the Last Chance booth in the registration area.

- Historical proceedings 1982-87
- Historical technical slide sets 1983-87
- Historical art show slide sets 1983-87

SIGGRAPH Video Review

SIGGRAPH '92 Video Review

The six-hour 1992 review includes excerpts from the electronic theater and computer graphics screening room, along with video papers and a selection of videos shown during the technical session. Available in NTSC VHS, PAL, or U-matic.

Special Issue #70

Visualization Software/State of the Art is a new release. This guided tour of new visualization software products, technology, and applications provides a compact, informative overview. Available in NTSC VHS, PAL, and U-matic.

Special Issue #60

HDTV and The Quest for Virtual Reality features HDTV applications around the world. The second portion of the video review takes you on a journey of virtual reality. Available in NTSC VHS, PAL, and U-matic.

Individual Issues

More than 85 titles of individual issues of computer animation tapes in NTSC VHS, U-matic, and PAL from the last 12 years.

SIGGRAPH video reviews are available after the conference by writing or calling:

SIGGRAPH Video Review

c/o 1st Priority

P.O. Box 576

Itasca, IL 60143-0576 USA

(800) 523-5503 USA toll free

(708) 250-0807 international

(708) 250-0038 fax

Media Facilities

Registered media may use the media facilities and attend the media briefings/tours. In addition to the briefings and tours, SIGGRAPH will make available media interview rooms, (McCormick Place North, L-7 and L-8), and a media library (McCormick Place North, L-4).

Speaker Services

Speakers and contributors should use the speaker registration desk in the main registration area to resolve registration problems or obtain conference information.

All speakers are encouraged to use the speaker's prep office (McCormick Place East, 20-W 8) to prepare for their presentations, preview slides and videotapes, sort slides, and obtain slide carousels. Speakers who need to create slides at the conference may do so there at their own expense.

Changes in audio/equipment needs in presentation rooms should be directed to the audio/visual services office (McCormick Place East, Jane Addams Room).

An office is available for contributors to the electronic theater or computer graphics screening room to exchange ideas, leave messages, or receive assistance (McCormick Place East, Olive Harvey).

The art show office is located at McCormick Place East, Room L-14 to leave messages, or receive assistance.

Travel and Housing Assistance

Travel Planners, the official SIGGRAPH '92 travel coordinator, can assist you at McCormick Place with your travel and housing arrangements Sunday-Friday during conference hours, located on the Mezzanine Level, McCormick Place North.

Conference Policies

- Smoking is not permitted at any of the conference locations.
- No cameras or video recording devices are allowed.
- Children under 16 are not permitted on the exhibition floor.

Conference Telephone Numbers

Art Show Office

(312) 808-2078

Audio/Visual Services

(312) 808-2080

Chicago Convention and Tourism Bureau

(312) 567-8500

Conference Management Office

(312) 808-2060

Electronic Theater Office

(312) 808-2085

Emergencies (ambulance, fire, police)

(312) 808-3131

Exhibition Management Office

(312) 808-2050

First Aid Office

(312) 808-3132

International Business Center Phone/Fax

01 (312) 808-2088

Media Office

(312) 808-2070

Message Center

(312) 808-2092

Registration

(312) 808-2075

Speaker Slide Making Room

(312) 808-2095

Speaker's Prep Room

(312) 808-2095

Travel Assistance

(312) 808-2097



A

1515

Abekas

101 Galveston Drive
Redwood City, CA 94063
(415) 369-5111
(415) 369-4777 fax
Stephen Killisky
Product Manager

115

Academic Press, Inc.

1250 Sixth Avenue
San Diego, CA 92101
(619) 231-0926
(619) 699-6715 fax
Marie Montoya
Senior Exhibit Coordinator

141

Accom Inc.

1490 O' Brien Drive
Menlo Park, CA 94025
(415) 328-3818
(415) 327-2511 fax
Lance Kelson
Vice President of Marketing

949

**Acrobat Graphics
Systems Ltd.**

3 Soho Street
London, W1V 5FA
United Kingdom
(44) 71-287-3626
(44) 71-494-2822 fax
Nigel Hall
Managing Director

2423

ACURIS

125 University Avenue
Suite 125
Palo Alto, CA 94301-1630
(415) 329-1920
(415) 323 3449 fax
Director of Marketing and
Sales

851

ADDA Technologies, Inc.

48501 Warm Springs
Boulevard, #105
Fremont, CA 94539
(510) 770-9899
(510) 623-1803 fax
Amy S. Wong
Marketing Manager

1251

**Addison-Wesley
Publishing Company**

Jacob Way
Reading, MA 01867
(617) 944-3700
(617) 944-8964 fax
Compuserve 74230,3622
Denise Descoteaux
Product Manager, Computer
Science

665

**Advanced Digital
Imaging**

22 Rocky Knoll
Irvine, CA 92715
(714) 725-0154
(714) 725-0157 fax
AppleLink # ADI
Mark Flores
Marketing Manager

458

**Advanced Imaging &
AVC Presentation**

445 Broad Hollow Road
Melville, NY 11747
(516) 845-2700
(516) 845-2797 fax
Charles Grecky
Publisher

1636

**Advanced Technology
Center**

22982 Mill Creek Drive
Laguna Hills, CA 92653
(714) 583-9119
(714) 583-9213 fax
comments@atc.com
Barbara Greeler
Marketing Administrator

1739

**Advanced Visual
Systems Inc.**

300 Fifth Avenue
Waltham, MA 02154
(617) 890-4300
(617) 890-8287 fax
ham@AVS.COM
Hambleton Lord
Director, Product Marketing

2232

AGFA Division

Business Imaging Systems
One Ramland Road
Orangeburg, NY 10962
(914) 365-0190
(914) 359-3201 fax
Cathy McMahon
Marketing Communications
Manager

131

Alacron, Inc.

71 Spitbrook Road, Suite 204
Nashua, NH 03060
(603) 891-2750
(603) 891-2745 fax
sales@alacron.com
Cheryl L. (Stevens) Musser
Sales and Marketing Specialist

1153

Aldus Corporation

One Tower Lane, #1130
Oakbrook Terrace, IL 60181
(708) 954-0474
(708) 954-0468 fax
Ashley Moon
Regional Administrative
Assistant

2339

Alias Research Inc.

110 Richmond Street East
Toronto, Ontario M5C 1P1
Canada
(416) 362-9181
(416) 362-0630 fax
Susan Anderson
Tradeshaw and Events
Manager

2419

**The American Institute
of Physics**

335 East 45th Street
New York, NY 10017
(212) 661-9260
(212) 661-5615 fax
William Phillips
Marketing Coordinator

1637

Ameritech

30 South Wacker Drive,
Floor 34
Chicago, IL 60606
(312) 609-6189
(312) 207-1602 fax
Leona Hall
Manager, Trade Shows

753

Ampex Corporation
401 Broadway M/S 3A-01
Redwood City, CA 94063
(800) 562-3621
(415) 367-3850 fax
Mark Arola
DST Marketing Manager

1936

AmPro Corporation
1301 Armstrong Drive
Titusville, FL 32780
(407) 269-6680
(407) 267-6211 fax
Frank McLanis
Vice President, Sales and
Marketing

1722

Apple Computer, Inc.
333 West San Carlos Street
San Jose, CA 95110
(408) 974-5129
(408) 974-8644 fax
Kirk Shorte
Integrated Media Solutions
Marketing Manager

2234

Ascension Technology Corporation
P.O. Box 527
Burlington, VT 05402
(802) 655-7879
(802) 655-5904 fax
John T. Scully, Jr.
Vice President

751

ASG
4000 Bridgeway
Sausalito, CA 94965
(415) 332-2123
(415) 332-2146 fax
71171,2277CSERVE
Alan Steel
Project Manager

Registration Area

Association for Computing Machinery
1515 Broadway, 17th Floor
New York, NY 10036
(212) 869-7440
(212) 944-1318 fax

107

Assoexpo
Via Domenichino II
20149 Milano
Italy
(39) 2-481-5541
(39) 2-498-0330 fax
Roberto Pinna Berchet
President

1915

AT&T Graphics Software Lab
3520 Commerce Crossing
Suite 300
Indianapolis, IN 46240
(317) 844-4364
(317) 575-0649 fax
Sara Ellis
Exhibits Manager

2126

Audio Digital Imaging
511 West Golf Road
Arlington Heights, IL 60005
(708) 439-1335
(708) 439-1533 fax
Jean Monroe
Chairman and CEO

951

Aurora Systems
2230 Martin Avenue
Santa Clara, CA 95050
(408) 988-2000
(408) 986-0452 fax
trane!katcha@pacbell.com
Katcha Burnett
Marketing Director, Liberty

1756

Autodesk
2320 Marinship Way
Sausalito, CA 94965
(800) 525-2763
(415) 491-8308 fax
Bob Bennett
Product Manager

666

autodessys, Inc.
2011 Riverside Drive
Columbus, OH 43221
(614) 488-8838
(614) 488-0848 fax
Chris Yessios
President

1340

Avid Technology, Inc.
Metropolitan Technology Park
One Park West
Tewksbury, MA 01876
(508) 640-6789
AppleLink: AVID
Lisa LeBlanc
Marketing Communications
Manager

1544

AXA Corporation
17752 Mitchell
Suite C
Irvine, CA 92714
(714) 757-1500
(714) 757-1766 fax
RoseMarie Menapace
Exhibits Coordinator

B

1654

Bit 3 Computer Corporation
8120 Penn Avenue South
Minneapolis, MN 55431
(612) 881-6955
(612) 881-9674 fax
Jerry Medley
Sales Manager

1939

Brooktree Corporation
9950 Barnes Canyon Road
San Diego, CA 92121
1-800-VIDEO IC
(619) 597-0673 fax
Cathy Batchelor
Marketing Communications
Manager

105

Business People Inc. (BPI)
2985 Multifoods Tower
33 South 6th Street
Minneapolis, MN 55402
(612) 370-0550
(612) 344-1648 fax
David Aberman
President/CEO

2332

Byte by Byte Corporation

9442-A Capital of Texas
Highway North
Suite 650
Austin, TX 78759
(512) 795-0150
(512) 795-0021 fax
Scott A. Peterson
President

C

549

Canon USA, Inc.

One Canon Plaza
Lake Success, NY 11042
(516) 488-6700
(516) 488-6322 fax

1541

Chase Technologies, Inc.

10211 Pacific Mesa
Boulevard
Suite 412
San Diego, CA 92121
(619) 558-3400
(619) 558-1425 fax
Sharon Bryant
Marketing Communications
Manager

2119

Chromatek Inc.

c/o Chroma Technology Inc.
100 North Central Expressway
Suite 500
Richardson, TX 75080
(214) 680-3235
(214) 680-3324 fax
Dale Rochon
President

2417

CIRAD

B.P. 5035
Montpellier, 34032
France
(33) 67-10-15-75
(33) 67-10-15-99 fax
Alain Chauchard
Head of Administration

2422

Codonics, Inc.

17991 Englewood Drive
Middleburg Heights, OH
44130
(216) 243-1198
(216) 243-1334 fax
Frank Accordino
Product Manager

315

Computer Design, Inc.

2880 East Beltline N.E.
Grand Rapids, MI 49505
(616) 361-1139
(616) 361-5679 fax
Nan Frazee
Marketing Manager

529

Computer Graphics World/SIGGRAPH Show Daily

One Technology Park Drive
P.O. Box 987
Westford, MA 01886
(508) 692-0700
(508) 692-7806 fax
Hope Mascott
Marketing Communications
Director

228

Comtec Automated Solutions

10,000 Old Katy Road
Suite 150
Houston, TX 77055
(713) 935-3666
(713) 935-3650 fax
Debbie Denison
Vice President Marketing And
Sales

1744

Convex Computer Corporation

3000 Waterview Parkway
Richardson, TX 75080
(214) 497-4000
(214) 497-4141 fax
lambert@convex.com
Paul Lambert
Product Marketing Manager,
Visualization/Graphics

344

Corel Corporation

1600 Carling Avenue
Ottawa, Ontario K1Z 8R7
Canada
(613) 728-8200 ext. 1401
(613) 761-9330 fax
Debrah Boucher
Exhibits Manager

507

Cyberware

8 Harris Court, #3D
Monterey, CA 93940
(408) 373-1441
(408) 373-3582 fax
dabro @
taurus.cs.nps.navy.mil
Michael McDowell
Sales Engineer

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Cymbolic Sciences International

100 Columbia, #200
Aliso Viejo, CA 92656
(714) 362-0800
(714) 362-0500 fax
Christopher Gift
Corporate Communications

1549

Diaquest Inc.

1440 San Pablo Avenue
Berkeley, CA 94702
(510) 526-7167
(510) 526-7073 fax
Louise R. Ledeen
Director of Marketing

956

Digital Arts

7050 Convoy Court
San Diego, CA 92111
(619) 541-2055
(619) 541-2655 fax
Georgene Littlefair
Sales Manager

1316

Digital Equipment Corporation

146 Main Street
Maynard, MA 01754
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(508) 493-5142 fax
LESCOM::LYNCH
Betty Lynch
Marketing Specialist

2115

Digital F/X Inc.

4531 Empire Avenue
Burbank, CA 91505
(818) 972-2112
(818) 972-2115 fax
Julia Kim
Marketing Assistant

1158

Discreet Logic Inc.

5505, Boul. St-Laurent
Suite 4201B
Montreal, Quebec H2T 1S6
Canada
(514) 272-0525
(514) 272-0585 fax
Richard Szalwinski
President

1061

Division Limited

400 Seaport Court
Suite 101
Redwood City, CA 94063
(415) 364-6067
Peter Cornwell
Chief Executive Officer

954

Double M Industries

1520 Royston Lane
Round Rock, TX 78664
(512) 251-4044
(512) 251-4807 fax
Barry M. Marks
President

1149

Du Pont Pixel

2000 Edmund Halley Drive
#290
Reston, VA 22091
(800) 542-1484
(703) 264-8754 fax
Michael King
Marketing Manager

127

Dynamic Graphics, Inc.

1015 Atlantic Avenue
Alameda, CA 94501
(510) 522-0700
(510) 522-5670 fax
mktg.info@dgi.com
Glenn Hansen
Marketing

E

1749

Eastman Kodak Company

343 State Street
Rochester, NY 14650-0315
(716) 253-0624
(716) 724-9416 fax
Angie Williams
Marketing Communications
Assistant

323

Electric Image, Inc.

117 East Colorado Boulevard
Suite 300
Pasadena, CA 91105
(818) 577-1627
(818) 577-2426 fax
Applelink ELECTRIC.IMG
Jay Roth
President/CEO

936

ElectroGIG USA Inc.

30 E. Huron, Suite 3807
Chicago, IL 60611
(312) 573-1515
(312) 573-1512 fax
Phillip May
U.S. Sales Manager

761

Enhance Memory Products, Inc.

18720 Oxnard Street
Suite 102
Tarzana, CA 91356
(818) 343-3066
(818) 343-1436 fax
Doug LaFontaine
Sales Manager

308

Eurographics

P.O. Box 16
1288 Aire-La-Ville
Switzerland
(44) 61-275-6158
(44) 61-275-6236 fax
rjh@cs.man.ac.uk
Roger Hubbard
Chair of Promotions Board

1729

Evans & Sutherland

580 Arapeen Drive
Salt Lake City, UT 84108
(801) 582-5847
(801) 582-9413 fax
Pamela Donaldson
Marketing Coordinator

958

Extron Electronics

13554 Larwin Circle
Santa Fe Springs, CA 90670
(310) 802-8804
(310) 802-2741 fax
Gary Kayye
Sales Manager

F

1469

5D Solutions Ltd.

Southbank Technopark
90 London Road
London, SE1 6LN
United Kingdom
(44) 71-922-8814
(44) 71-401-8621 fax
Steve Hayes
Director

111

Focus Graphics, Inc.

1191 Chess Drive, Suite B
Foster City, CA 94404
(415) 377-0596
(415) 377-0598 fax
Elizabeth E. Maulick
Marketing Representative

513

Folsom Research, Inc.

526 East Bidwell Street
Folsom, CA 95630
(916) 983-1500
(916) 983-7236 fax
Ed Hart
Manager of Sales and
Marketing Development

749

FOR.A Corporation of America

313 Speen Street
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Montvale, NJ 07645
(201) 930-6158
Barbara Susi
Exhibits Manager

1369

Specular International

233 North Pleasant Street
P.O. Box 888
Amherst, MA 01004
(413) 549-7600
(413) 549-1531 fax
AppleLink: Specular AOL:
Specular I
Carolyn Herasimchuk
Director of Business Relations

1249

Springer-Verlag New York, Inc.

175 Fifth Avenue
New York, NY 10010
(212) 460-1500
(212) 473-6272 fax
Jacqueline Jeng
Product Management,
Computer Science

558

Star Case Manufacturing Company, Inc.

648 Superior Avenue
Munster, IN 46321
(800) 822-STAR
(219) 922-4442 fax
Dennis Toma
President

1344

StereoGraphics Corporation

2171-H East Francisco Blvd.
San Rafael, CA 94901
(415) 459-4500
(415) 459-3020 fax
Wil Cochran
Vice President of Sales and Marketing

334

Strata Inc.

2 West St. George Boulevard
Suite 2100
St. George, UT 84770
(801) 628-5218
(801) 628-9756 fax
Bob Miller

929

Sun Microsystems, Inc.

2550 Garcia Avenue
Mountain View, CA 94043
(415) 960-1300

1322

Sun Microsystems Computer Corporation

2550 Garcia Avenue
Mountain View, CA 94043
(415) 960-1300

1633

Supercomputing '92

Minneapolis Convention Center
Minneapolis, MN 55403
(303) 497-1808
(303) 497-1298 fax
sc92info@ncgr.ucar.edu
Susan Cross
Supercomputing '92
Publicity Chair

239

Supercomputing Review

8445 Camino Santa Fe
San Diego, CA 92121
(619) 452-4242
(619) 452-4224 fax

933

Symbolics, Inc.

6 New England Tech Center
555 Virginia Road
Concord, MA 01742
(508) 287-1000
(508) 287-1092 fax
Butch Fadely
Graphics Sales

T

2426

TaraVisual Corporation

929 Harrison Avenue
Columbus, OH 43215
(614) 291-2912
(614) 291-2867 fax
ape-support@taravis@
uunet.uu.net
Thomas M. Johnson
Director of Sales

307

Tech Images International

P.O. Box 3719
Hollywood, CA 90078
(213) 469-8647
(213) 962-8559 fax
Jim Tucker
Director, West Coast
Operations

1736

Tech-Source Inc.

442 South North Lake Blvd.
Suite 1008
Altamonte Springs, FL 32701
(407) 830-8301
(407) 339-2554 fax
uunet!techsrc!jo
Jo Hunnicutt
Manager, Marketing
Communications

2435

Techexport, Inc.

One North Avenue
Burlington, MA 01803
(617) 229-6900
(617) 229-7706 fax
Juliane M. Iannaco
Marketing Coordinator

1336

Tektronix, Inc.

P.O. Box 1000
Wilsonville, OR 97070
(503) 682-3411
Dean Staley
Exhibit Manager

1422

Texas Memory Systems, Inc.

11200 Westheimer Road
Suite 1000
Houston, TX 77042
(713) 266-3200
(713) 266-0332 fax
John Marsh
Vice President

2329

Thomson Digital Image

5601 West Stauson Avenue
Suite 272
Culver City, CA 90230
(310) 649-3358
(310) 568-9002 fax
Nick Tesi
National Sales Manager,
TDI America

1265

Time Arts, Inc.

1425 Corporate Center
Parkway
Santa Rosa, CA 95407-5453
(707) 576-7722
(707) 576-7731 fax
Britt MacKenzie
Sales Operations

326

Trident Microsystems, Inc.

205 Ravendale Drive
Mountain View, CA 94043
(415) 691-9211
(415) 691-9260 fax
Michael Maia
Vice President of Marketing

2217

Trix Company Ltd.

1 Kandamatsunaga
Chiyoda-Ku, Tokyo 101
Japan
(81) 33-251-1961
(81) 33-251-6929 fax
Hitoshi Takamizawa
President

1139

Truevision Inc.

7340 Shadeland Station
Indianapolis, IN 46256
(317) 841-0332
(317) 576-7700 fax

U

1356

**University of
Illinois/National Center
for Supercomputing
Applications**

605 E. Springfield, 152 CAB
Champaign, IL 61820
(217) 244-1097
(217) 244-1987 fax
winckler@ncsa.uiuc.edu
hardin@ncsa.uiuc.edu
Ginger Winckler
Program Manager
Joseph Hardin
Associate Director

1269

UNIX Review Magazine

600 Harrison Street
San Francisco, CA 94107
(415) 905-2200
(415) 905-2234 fax

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UNIXWorld Magazine

1900 O'Farrell Street
San Mateo, CA 94403
(415) 513-6985
(415) 513-6986 fax
Kari Smith
Tradeshaw Coordinator

V

1358

Vertigo Technology Inc.

1134 Homer Street
Suite 301
Vancouver, British Columbia
V6B 2X6
Canada
(604) 684-2113
(604) 684-2108 fax
Linda Fawcus
Vice President of Marketing
and Sales

124

**Video Systems
Magazine**

9800 Metcalf
Overland Park, KS 66212-
2215
(913) 967-1834
(913) 967-1898 fax
Tom Brick
Marketing Director

446

VideoLogic, Inc.

245 First Street
Cambridge, MA 02142
(617) 494-0630
(617) 494-0534 fax
Lynne Dacy
Marketing Coordinator

129

Videomedia, Inc.

175 Lewis Road
San Jose, CA 95111
(408) 227-9977
(408) 227-6707 fax
Michael Levin

1539

VIDI

16309 Doublegrove Street
La Puente, CA 91744
(818) 918-8834
(818) 918-9935 fax

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**Viewpoint Animation
Engineering**

870 West Center
Orem, UT 84057
(801) 224-2222
(801) 224-2272 fax
John Thomas
Vice President of Production

1367

**Will Vinton's
Playmation**

714 East Angeleno, Unit C
Burbank, CA 91501
(818) 566-8551
Jonathan B. Deaveaux
President, Anjon & Associates

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Virtual Reality Group

800 Follin Lane, Suite 270
Vienna, VA 22180
(703) 242-0030
(703) 242-5220 fax
Christopher Lewis

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**Visionetics International
Corporation**

21311 Hawthorne Blvd.,
Suite 235
Torrance, CA 90503
(310) 316-7940
(310) 316-7457 fax
James Liao
Vice President

1929

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21731 Ventura Boulevard
Suite 360
Woodland Hills, CA 91364
(818) 883-7900
(818) 593-3750 fax
Kim Burgoyne
Sales Manager

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The Vivid Group

317 Adelaide Street West
#302
Toronto, Ontario M5V 1P9
Canada
(416) 340-9290
(416) 348-9809 fax
catinhat@well.sf.ca.us
Susan Wyshynski
Vice President of Marketing

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Volumetric Imaging, Inc.

2200 One Kendall Square
Cambridge, MA 02139
(617) 621-7007
(617) 577-1209 fax
76517.1577@
Compuserve.com
Dennis J. Solomon
President

142

VREAM, Inc.
2568 North Clark Street
Suite 250
Chicago, IL 60614
(312) 477-0425
(312) 477-9702 fax
Edward R. Lattod
President

W

2122

Wacom Technology Corporation
501 SE Columbia Shores
Boulevard
Suite 300
Vancouver, WA 98661
(206) 750-8882
(206) 750-8924 fax
Steven Smith
Trade Show Services

537

Wasatch Computer Technology, Inc.
123 East 200 South
Salt Lake City, UT 84111
(801) 575-8043
(801) 575-8075 fax
Mary Ware
Marketing

944

Wavefront Technologies, Inc.
530 East Montecito Street
Santa Barbara, CA 93103
(805) 962-8117
(805) 963-0410 fax
Catriona Gaeta
Marketing Communications
Manager

553

Wavetracer, Inc.
289 Great Road
Acton, MA 01720
(508) 635-9000
(508) 635-9777 fax
ddr@wavetracer.com
Darlene Robertson
Marketing Specialist

1362

John Wiley and Sons, Inc.
605 Third Avenue
New York, NY 10158
(800) CALL-WILEY

536

Winsted Corporation
10901 Hampshire Ave. South
Minneapolis, MN 55438
(612) 944-8556
(612) 944-1546 fax
Randy Smith
Marketing Manager

649

Wolfram Research, Inc.
100 Trade Center Drive
Champaign, IL 61820
(217) 398-0700
(217) 398-0747 fax
info@wri.com
Jim Steinbacher
Sales Manager

X Y Z

736

Xceed Technology
37560 31 Mile Road
Richmond, MI 48062
(313) 727-4085
Peter C. Vantteusden
Marketing Manager

2326

XAOS Tools, Inc.
600 Townsend Street
Suite 271E
San Francisco, CA 94103
(415) 558-9831
(415) 558-9160 fax

1529

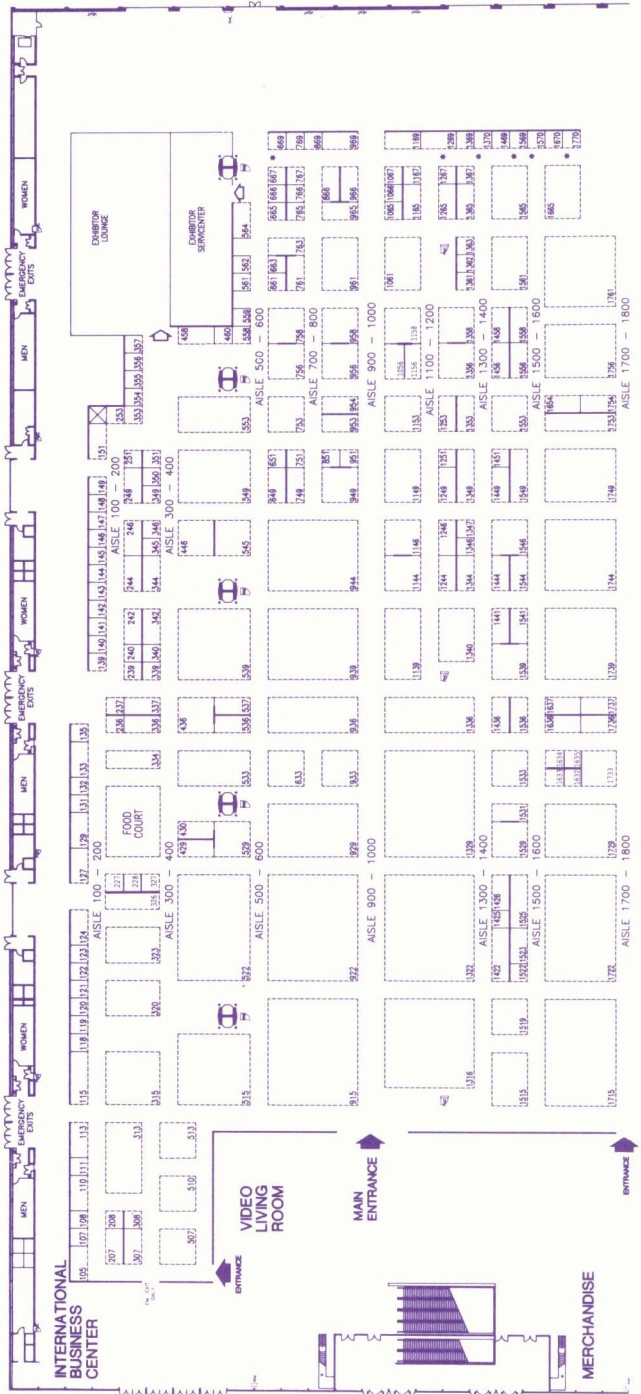
Yamashita Engineering Manufacture, Inc.
1926 Okata
Atsugi-shi, Kanagawa 243
Japan
(81) 46-228-8883
(81) 46-229-1944 fax
Minoru Ohkubo
Marketing

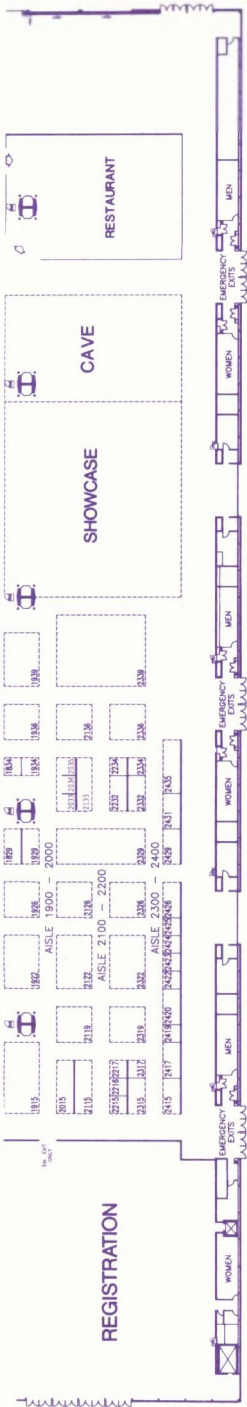
1056

Yarc Systems Corporation
975 Business Center Circle
Newbury Park, CA 91320
(805) 499-9444
(805) 499-4048 fax
uunet!amdcad!yarc!john or
john@yarc.uucp
John Pryzibilla
Vice President Marketing

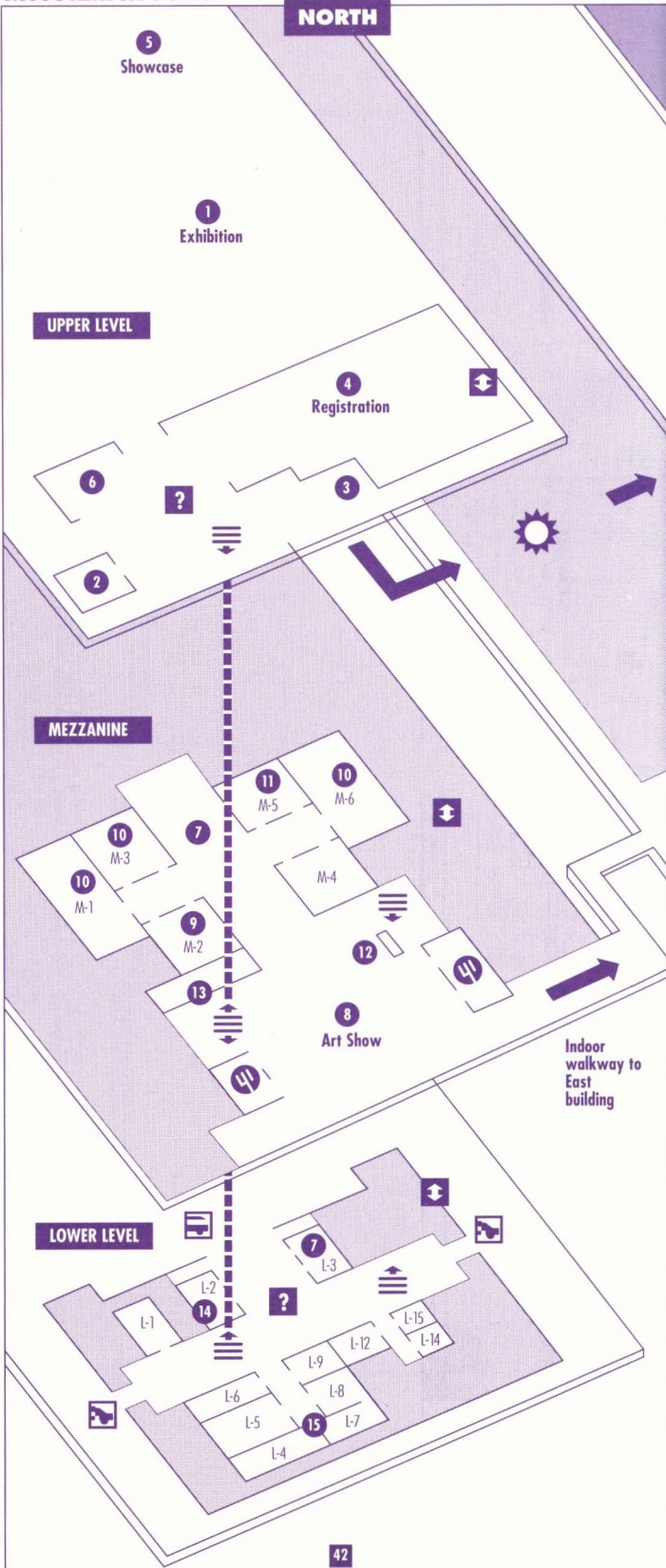
Maps







NORTH



5 Showcase

1 Exhibition

UPPER LEVEL

4 Registration

6

?

3

2

MEZZANINE

11 M-5

10 M-6

10 M-3

7

10 M-1

9 M-2

M-4

12

41

13

8 Art Show

Indoor walkway to East building

LOWER LEVEL

7 L-3

14

L-1

L-2

L-15

L-12

L-14

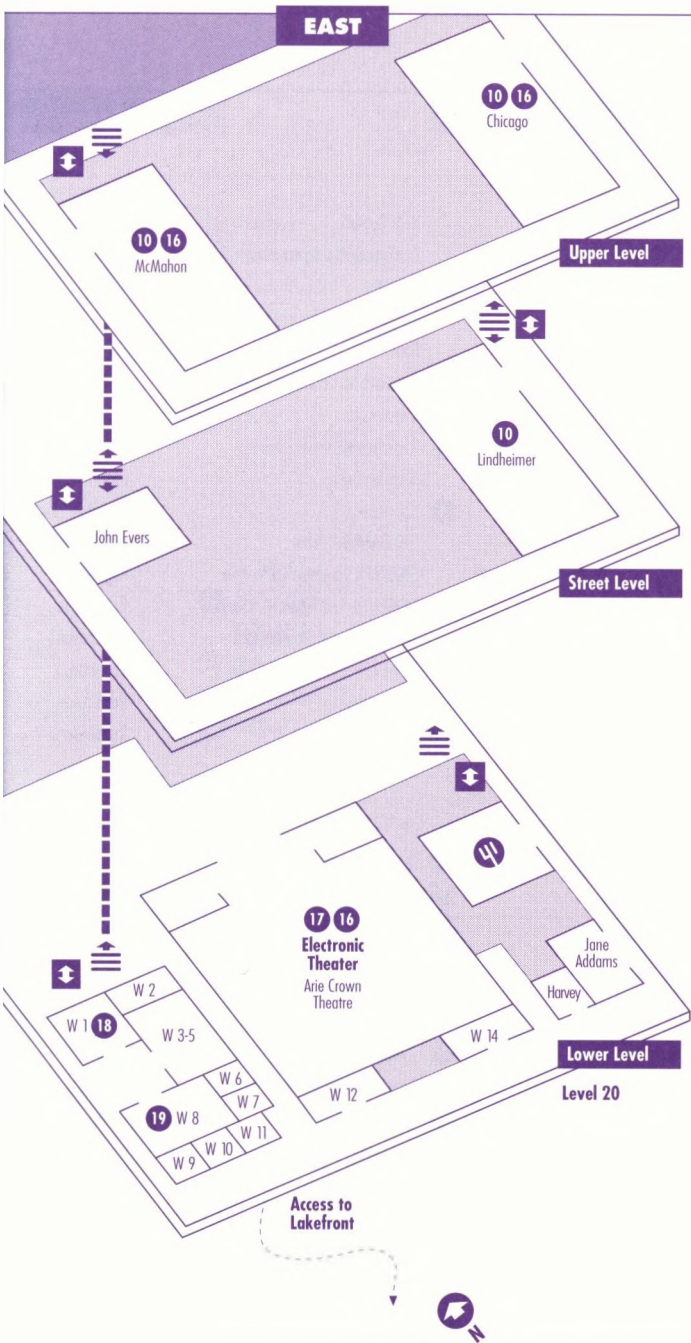
L-6

L-8

L-5

L-7

L-4



Map Key



Escalator



Elevator



Event or service code



Food



Information



Outdoor walkway



Shuttle bus



Taxi stand

McCormick Place Room Designations

McCormick Place North

Upper Level

	ACM Booth	Registration
	Conference Management Office	Above Registration
1	Exhibition	
	Exhibition Management Office	Above Exhibition
	Food	Exhibition Floor
2	International Business Center	Registration
3	Merchandise	Registration
4	Registration	
	Shipping Desk	Registration
5	Showcase	Exhibition Floor
	SIGGRAPH 93 Booth	Registration
	SIGGRAPH Education Committee	Registration
	SIGGRAPH "Last Chance" Booth	Registration
	SIGGRAPH Local Groups Booth	Registration
	SIGGRAPH Video Review Booth	Registration
	Student Posters	Registration
6	Video Living Room	Registration

Mezzanine

7	Message Center	
8	Art Show	Lobby, M-4
9	Computer Graphics Screening Room	M-2
10	Courses	M-1, 3, 6
	Restaurant Reservations	
11	G-Tech	M-5
12	Merchandise Boutique	Lobby
	Special Interest Groups	M-1
13	Travel Planners	Lobby

Lower Level

	Art Show Office	L-14
7	Message Center	L-3
14	Luggage check/Lost and Found	L-2
	Special Interest Groups	L-1
15	Media Facilities	L-4, 5, 7, 8, 9
	Media Interview Room	L-7, 8
	Media Library	L-4
	Shuttle Bus Service	
	Taxi Stand	

McCormick Place East

Upper Level

10	Courses	Chicago, McMahon
10	Fundamentals Seminar	McMahon
16	Papers/Panels	Chicago, McMahon

Street Level

10	Courses	Lindheimer
	Special Interest Groups	John Evers

Lower Level (20)

	AV Office	Jane Addams
17	Electronic Theater	Arie Crown Theatre
	Electronic Theater Office	Olive Harvey
16	Papers/Panels	Arie Crown Theatre
	Papers/Panels Office	20-W 11
18	SIGKids	20-W 1
	SIGKids Office	20-W 2
19	Speaker's Prep Room	20-W 8
	Special Interest Groups	20-W 7, 12, 14

Hyatt Regency Chicago

East Tower

10	Courses	Grand Ballrooms A, B C South, D South E, F
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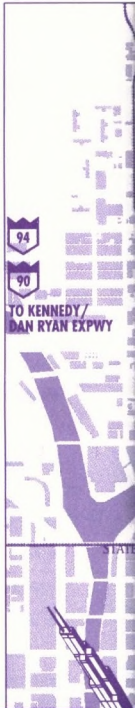
Sheraton

Level IV

10	Courses	Sheraton Ballrooms I, II, III, IV, VI Chicago Ballrooms VIII, IX, X
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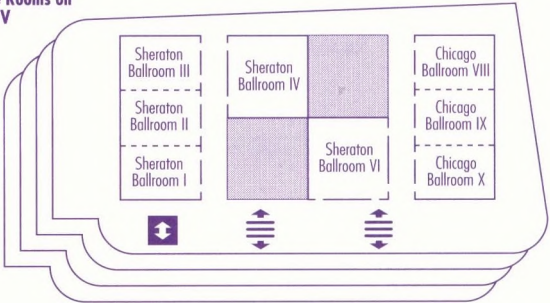
Chicago and Hotels

- 1 Hyatt Regency Chicago
- 2 Blackstone Hotel
- 3 Congress Hotel
- 4 Days Inn Lake Shore Drive
- 5 Fairmont Hotel
- 6 McCormick Center Hotel
- 7 Palmer House Hilton
- 8 Sheraton Chicago
- 9 Swissôtel



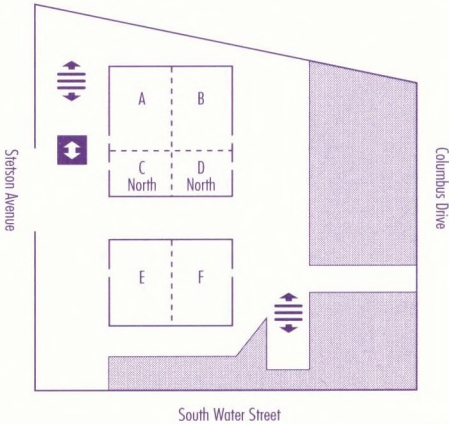
SHERATON

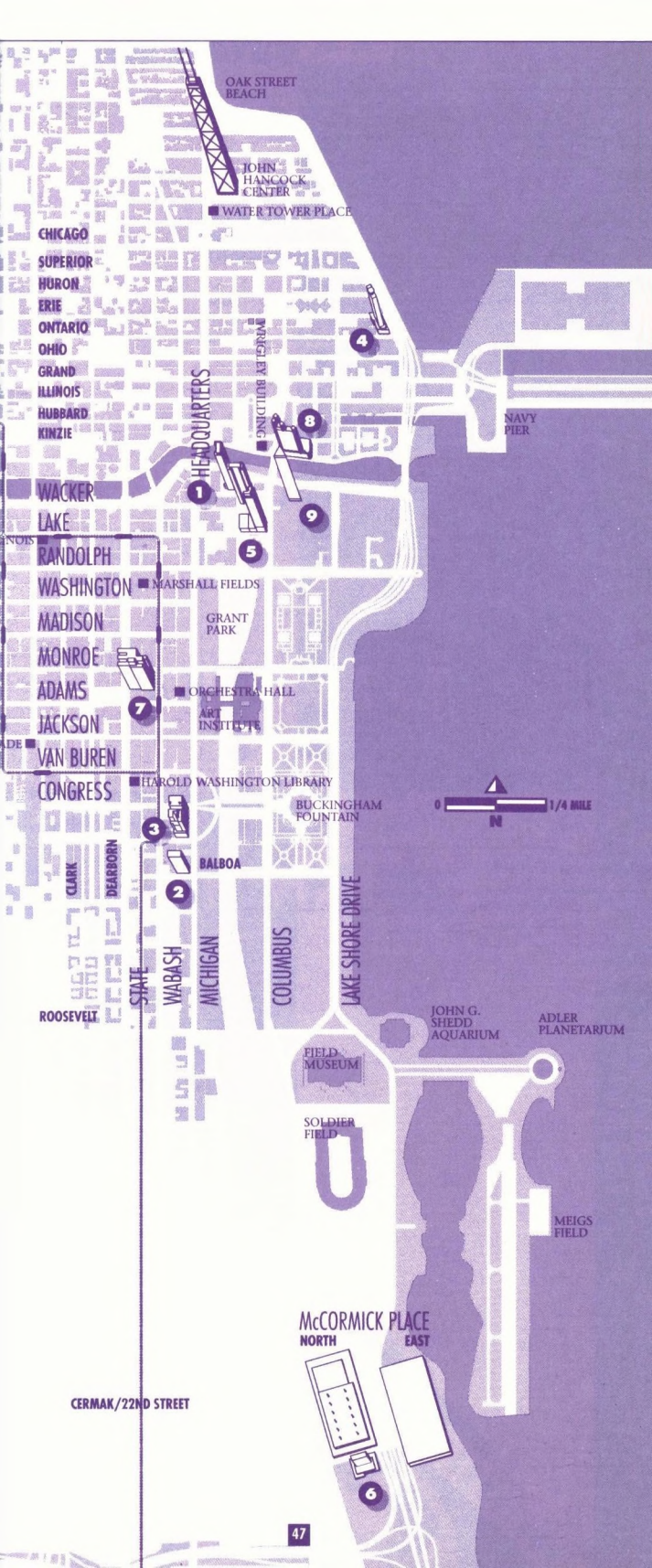
Course Rooms on Level IV



HYATT REGENCY CHICAGO

Course Rooms on Ballroom Level





OAK STREET BEACH

JOHN HANCOCK CENTER

WATER TOWER PLACE

CHICAGO

SUPERIOR

HURON

ERIE

ONTARIO

OHIO

GRAND ILLINOIS

HUBBARD

KINZIE

HEADQUARTERS

MORGLEY BUILDING

NAVY PIER

WACKER

LAKE

RANDOLPH

WASHINGTON

MARSHALL FIELDS

MADISON

GRANT PARK

MONROE

ADAMS

JACKSON

ORCHESTRA HALL

ART INSTITUTE

VAN BUREN

CONGRESS

HAROLD WASHINGTON LIBRARY

BUCKINGHAM FOUNTAIN



CLARK

DEARBORN

BALBOA

ROOSEVELT

STATE

WABASH

MICHIGAN

COLUMBUS

LAKE SHORE DRIVE

JOHN G. SHEDD AQUARIUM

ADLER PLANETARIUM

FIELD MUSEUM

SOLDIER FIELD

MEIGS FIELD

MCCORMICK PLACE NORTH

MCCORMICK PLACE EAST

CERMAK/22ND STREET

What You Get with Your Registration

● *Included*

★ *Limit one per attendee*

	COURSES	PAPERS/ PANELS	EXHIBITION- ONLY
Course Notes	●		
Course Lunch	●		
Courses Reception	●		
Conference Proceedings		●	
Papers/Panels Reception		●	
Electronic Theater Ticket*	●	●	
Art Show	●	●	●
Visual Proceedings*	●	●	
Exhibition	●	●	●
Showcase	●	●	●
Keynote Session	●	●	●
Welcoming Reception	●	●	●
Fundamentals Seminar	●	●	●
SIGKids	●	●	●
G-tech	●	●	●
Computer Graphics Screening Room	●	●	●

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of

THE VISION

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