



# DIMENSION

The Newsletter of the Los Angeles Chapter of ACM/SIGGRAPH March 1998

## Upcoming Meetings

- ◆ Tuesday, April 14, 1998  
The Big Screen: A look at the process of creating imagery for large format screens.
- ◆ Tuesday, May 12, 1998  
Integrating Computer Generated Imagery with Live Action
- ◆ Call the SIGPHONE, 310-288-1148  
For recorded information on the time and location of our next meeting.

## Announcements

- ◆ Dimension Advertising Specs:
 

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Include a web-ready jpeg or gif and/or html with your paid ad and we'll try and post it on our website with our newsletter for free!

- ◆ The ad submission deadline for April's issue is March 1st!
- ◆ Contact us!  
SIGPHONE: 310-288-1148  
SIGFAX: 310-578-7369  
[Los\\_Angeles\\_Chapter@siggraph.org](mailto:Los_Angeles_Chapter@siggraph.org)  
[www.siggraph.org/chapters/los\\_angeles/](http://www.siggraph.org/chapters/los_angeles/)

L.A. SIGGRAPH Presents, Tuesday, March 10th:

## JPL's Images from Mars



### The Program

6:15	Doors Open
6:45 - 7:45	First Seating
8:00 - 9:00	Second Seating

The museum will be open and refreshments will be served throughout the evening.

### The Location

Jet Propulsion Laboratory  
Von Karmen Auditorium  
4800 Oak Grove Drive, Pasadena

### Directions

From the 210 in La Canada, exit at the Berkshire Ave/Oak Grove Drive exit. Follow signs to NASA / JPL. Park in lot to the left of the guard booth. Follow Signs to Von Karmen Auditorium.

### Fees/Registration

Members and new members who sign up on-site will receive free, priority entry to this event. Due to the limited seating capacity of the hall, the same presentation will run twice. If space permits, non-members will be admitted beginning 10 minutes prior to each seating for a \$5 registration fee.

### The Event

*By Dr. Eric M. DeJong*

Mars Pathfinder (MPF) was NASA's first planetary mission to use stereo High Definition Television (HDTV) technology to support mission operations and science analysis. This support included: (1) real-time display of image mosaics, (2) selection of press release images, (3) creation of high resolution animations, and (4) archiving of digital image and animation products. This support was provided by a prototype stereo HDTV system which was recently added to JPL's Visualization and Analysis Testbed (VAT).

The VAT is part of the Digital Image Animation Laboratory (DIAL) and Multimission Image Processing Laboratory (MIPL) and is an element of JPL's end-to-end testbed. The VAT was developed by the Solar System Visualization (SSV) project and New Millennium Program (NMP) to: (1) provide scientists, mission planners, and mission operations personnel with enhanced capabilities for the visualization and analysis of mission plans and science results, and (2) to demonstrate the concept of a "Virtual Presence in Space."

The VAT provided Mars Pathfinder scientists and mis-  
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## ACADEMY OF ENTERTAINMENT AND TECHNOLOGY

The Academy of Entertainment & Technology at Santa Monica College appreciates the interest shown in our program at the LA SIGGRAPH Career Boot Camp. We unfortunately ran out of brochures and sign up sheets. The Academy asks anyone who left their name to contact us again for information at 310.452.9277. Please visit our web site at [www.smc.edu](http://www.smc.edu) and click on The Academy.

## BINARY BIKER PROJECT

*By Linda Hinojosa, Contributing Editor*

The N.Y. Chapter of ACM/SIGGRAPH, Pratt Institute, and N.Y.C. School of Visual Arts, will join forces to sponsor an event that will be a part of SIGGRAPH 98, in Orlando this July.

This project will combine digital art, technological R & D, audiovisual telecommunications, and real-time on-line interactivity. In July of 1998, two specially-rigged motorcycles and support vehicle will depart from New York City and begin their extraordinary journey which will be transmitted via satellite to a central web server at Pratt Institute. As remote participants log in, they will be able to

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# Virtual Beach

## VRML and Interactive 3D for the Internet

Now that you built your 3D models, wouldn't it be great on the web, not as a flat image, but in a truly interactive, immersive, 3D world! Virtual Beach develops interactive 3D applications for the Web based on the Virtual Reality Modeling Language (VRML) for business and entertainment applications.

We also teach an **Introduction to VRML** course, ideal for Graphic Artists, Programmers and Web Developers looking to broaden their careers by extending their skill set to the Internet. The courses are offered through the Extension programs at:

**UCLA, Saturday, March 7**

**UC Santa Barbara, Ventura campus,  
Saturday, April 18**

For information, see our web site, call or EMail  
<http://www.VirtualBeach.com>  
310-375-1591 or email: [vrml@VirtualBeach.com](mailto:vrml@VirtualBeach.com)

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sion operations personnel with simultaneous real-time stereo HDTV displays of all images and animations in the DIAL, MIPL, and the Space Flight Operations Facility (SFOF) science and mission operations areas.

We will show you how this capability was used to produce images and animations to support the operations of the Mars Pathfinder camera and rover during the months of July and August 1997.

### Event Moderator

Dr. Eric M. De Jong is the principal investigator for NASA's Solar System Visualization Project (SSV) and a research scientist in the Earth and Space Science Division at the Jet Propulsion Laboratory (JPL).

Presenters will include (all from the technical staff at JPL):

Zareh Gorjian  
Myche McAuley  
Doug Alexander  
Allan Runkle  
Jeff Hall  
Shigeru Suzuki  
Steve Levoe  
David Freda

### Special Thanks

Betsy Asher-Hall  
Program Coordinator

# KEYLIGHT STUDIOS

KEYLIGHT STUDIOS, AN INNOVATIVE 3-D ANIMATION & VISUAL EFFECTS COMPANY IS IN SEARCH OF FREELANCE ARTISTS (POSSIBLY LEADING TO STAFF POSITIONS), TO ASSIST IN THE PRODUCTION OF COMMERCIALS, SPECIAL VENUE PROJECTS, AND FEATURE FILMS

- ❖ Minimum 3 years production experience
- ❖ Familiarity with 3-D Studio Max preferred
- ❖ Submit resume and reel to:

## KeyLight Studios

1551 Cardiff Ave.  
Los Angeles, CA 90035  
Attn. Diane Schweitzer  
Ph. 310.556.1332

## FREE DIGITAL TECHNOLOGY TRAINING

Weynand Training International, a leader in providing state-of-the-art training to production professionals, has joined with the Verdugo Private Industry Council to provide free training in the following areas:

**Digital Film Effects**  
**Computer Graphics**  
**Chyron INFINIT!**

If you are currently unemployed, you may be eligible for this **FREE** training program.

Acceptance into this program is competitive. All applicants must meet eligibility standards established by WTI and the Verdugo Private Industry Council.

For consideration, fax your resume to:  
**WEYNAND TRAINING INTERNATIONAL**  
**818-992-8641** attn: Jerry  
Responses must be received by March 9.