

**Attraction with  
Technological Breakthrough**

*Mission: SPACE*

*Expt. Walt Disney World Resort Orlando,*



*Mission: SPACE* is a first-of-its kind attraction that launches guests into a simulated deep-space mission to Mars so believable that some claim they left the facility during the adventure! The major challenge: expanding a one-or-two person- at-a-time space flight simulation to Disney theme park conditions, providing a realistic experience for more than 1,600 guests per hour. A celebration of space exploration, *Mission: SPACE* boasts a unique ride experience during which each guest participates in the mission by taking on the role of commander, pilot, navigator or engineer. Adapting technology heretofore used only to train real astronauts, the designers worked with NASA and former astronauts to develop and design a centrifuge-based ride system, as well as a proprietary visual display system, to realistically simulate the conditions astronauts experience, including the exhilaration of launch, the confined area of a space capsule and stunning views of space. *Mission: SPACE* is built on existing principles of centrifuge technology to generate true-to-life sensations with incredible realism achieved through the development of a unique virtual imaging system built to the optical quality standards used in industrial or military applications – including a state-of-the-art video flat screen using components not yet available in the marketplace.

**Walt Disney Imagineering**

*Tom Fitzgerald*, Executive VP, Sr. Creative Executive

*Tom Dunlap*, Senior VP, General Manager WDI-FL

*Tom McCann*, Senior VP, Show/Ride Engineering

*Joe Garlington*, Vice President, Executive Producer

**Creative**

**Lead Show Producers**

*Bob Zalk, Sue Bryan*

**Show Producers**

*Susan Bonds, Eric Goodman, Barb Groth, Maya Cohan*

*Luc Mayrand*, Lead Designer Art Director

*Don Roberts*, Principal Production Designer

**Concept Design**

*Eddie Sotto, Owen Yoshino, Terry Coolidge, Ed Haro, Victor Post, Chris*

*Turner, Scot Drake, Doug Miller*

*Louis Gagnon*, Concept Architect

*Pam Fisher*, Lead Show Writer

*Steve Spiegel*, Show Writing

*David Durham*, Concept Integration Director

*Raul Fernandez*, Game Design

*Greg Butkus*, Interactive Design & Production

*Claudia Hartman*, Research & Playtest Coordination

*Patricia M. DeQuaker*, Media Research

**Project Management & Construction Management**

*Mike Lentz*, Project Manager, VP

**Project Management**

*Melissa Strong, Michael Ostendorf*

*Tom Troffer*, Senior Construction Manager

**Construction Management**

*Dave Driver, Whitey Pottruff, Julian Royal, Steve Grether, Jared*

*Czachorowski*

**Project Estimating**

*Harry Weiss, Alan Brown, Thomas Hall, David Thanig*

**Project Planning & Scheduling**

*Bill Sheerin, Lynn Williams, Jeff Rank III*

**Contracts & Procurement**

*William Boyd, Alberto Vispi, Russell Stokes, Richard Owens,*

*Amy Lucey, Dale Hailey*

**Project Controllers**

*Judy Ashbrook, Todd Anderson, Tammy Miller*

**Project Accountants:**

*Cecilia Greer, Marie Brown*

**Project Coordination**

*Greg Ritucci-Chinni, Ray Harper, Jack Magnini, Francis McCreery,*

*Tory Garcia, Russell Giambrone*

**Project Support**

*Constance Fields, Julie Deen, Karen Powers, Tracy Smith, Jennifer*

*Hachmeister, Heather Daugherty*

**Architecture & Facilities Engineering**

**Architecture & Facility Design Management**

*Michael Lingerfelt, Don Hughes*

**Project Architecture**

*Michael Harper, John Mitchell, Jess Kuncar, Mario Huerta*

*Terry Andrade*, Interior Design

**Landscape Architecture**

*Paul Comstock, Steven Wagner, Ismael Ranzola, Michelle Sullivan,*

*Brad Biben*

**Civil Engineers**

*Pedro Valasco, Mike Terrwilliger*

**Electrical Engineers**

*Alar Mikk, Mike Dugan*

*Reza Pezeshki*, Mechanical Engineer

**Graphics Design & Production**

*Dan Dillon, Jason Grandt, Craig Tadaki, Mark Panelli*

**CAD Analyst/Design**

*Patty Wines, Rick Hyman, Behzad Rabizadeh*

*John Schmidt*, Dimensional Design

**Ride**

*Ed Fritz*, Show/Ride Engineering Project Director

*Darrell Jodoin*, Systems Engineering Director

*Ted Fredrick*, Lead Mechanical Engineer

**Ride Mechanical Engineering**

*Tom Picking, Jerold Kaplan, Merle Quick, Mike Kilbert, Bob Vignec,*

*Dan Greenberg, David Wiedman, John Delmar*

*Antony Capstick*, Lead Electronics Engineer

*Randy Jaeger*, Lead Control Systems Engineer

**Ride Electronics Engineering**

*Rhine Meyerling, Ty Durr, Barry Golding, Randal*

*Skilling, Wally Fong, David Hertwig*

#### Lead Software Designers

**Robert K. Pollock, Cameron Mease**  
Ride Software Design  
**Christopher Kustura, Mark Andersen**  
Les Skoloda, Ride Production Manager  
**Judy Resh, Technical Standards**  
Technical Writer  
**Ronald D. Bozarth Jr., Michael Romain**

#### Show Design & Production

##### Show Program Management:

**Michael Petrucci, Michelle Rodriguez, Edward Romeo**

##### Show Set Design

**Scott Brubaker, Cedric Williams, Devin Lai, Greg Ashton**

**Susan Dain**, Scenic Paint Lead

**Eric Swapp**, Lead Show/Ride Programmer

##### Show/Ride Programming

**Ken Swapp, Mouse Silverstein**

**Linda Alcorn**, Lead Show Controls Engineering

**Alfredo Ayala**, R&D Projection & Imaging Design

**Eric Hasetline**, R&D Imaging System Concept

**Mark Mine**, R&D Visualization

##### Imaging & Effects Design

**Curtis Edwards, Dale Asamoto**

**Ken Lennon**, Lead Show Lighting Design

**Will Hastings**, Show Lighting Design

**Joseph Herrington**, Lead Audio Media Design

##### Audio Media Design

**Ben Herrington, Ron Fish**

**Steve Pryor**, Lead Audio/Visual Engineering

##### Audio/Visual Engineering

**Ken Petersen, Richard Simonton, Steve Kadar,**

**H.F. Crane, Andrew Castiglione**

**Robert Bronsdon**, Acoustics Engineering

**Don Kravits**, Interactive Technical Direction

##### Interactive Design & Production

**Ken Knowles, Frank Shannon**

##### Legal Clearances

**Greg Gujda, Mary Lippold**

##### Set Decorator

**Katie Roser, Jeff Wildman,**

Rover Artifact

**Van Romans, Kristin McCormick, Jim Clark, Teri Long**

**Joe Welborn**, Themed Plaster

##### Show Manufacturing

**Donald Burke, Gil Malakoff, Raleigh Schwartz**

**Josh Auffret**, Disney Online Project Management

##### IT Interface

**Woody McKeeby, Kirck DuFlon**

#### Theme Park Productions, Inc.

**Amy Jupiter**, Visual Effects Supervisor/Producer

**Keith Luczywo**, Visual Effects Coordinator

**John Dennis**, Music Production Director

**Ken Horii**, Digital Media Producer

**Stuart Scanlon**, 3D Graphics Artist

**Bryan Jolley**, Digital Media Design

**David Marvin**, Post Production Director

**Louise Gladden**, Post Production Supervisor

**Cindy Tsujimura**, Post Production Coordinator

**Connie Stamos**, Lead Production Accountant

**Lori Story**, Production Accountant

**Joe Husung**, Imaging Systems Consultant

**Linda Folsom**, Production Executive

**Brian Nefsky**, Casting Coordinator

#### Corporate Alliances/Participants Affairs

##### Corporate Alliances

**Jon Bonanni, Nabil Kazi**

**Peggie Fariss**, Participant Affairs

#### Consultants & Contractors

**COLAB: Mark Engberg**, Concept Architect Consultant

**Farmer, Baker, Barrios: Dan Farmer**, Architect

**Morris Architecture: Jim Pope, Jim Younglove**, Architects

#### GRG Consulting and Engineering:

**Walter Brennan, Williams Weinaug**, Architecture Mechanical/Electrical

#### Burton, Braswell, Middlebrooks Associates

**Richard Calasurdo**, Architecture Structural

**Bibb & Associates: Kathy Hagen**, Architecture Structural

**Plowfield & Associates: Bob Plowfield**, Architecture Structural

**FCM Custom Metals: Allen Supplee**, Architecture

**Mivan: Jim Herbison**, Project Manager; **Chris Fowler, Duane Morris, Ed Cearfoss**, Construction Management

**Entech: John Marhoefer**, President; **Chris Spang**, Controls; **Terry Gallaher**, Director of Sales

**ERMCO: Steve Pavao**, Project Manager; **Larry Fleming, James Foley, Eddie Grammer; John White**, Construction Management

**Irey Construction: Lee Greenwood**, Project Manager; **Don Dowden, Todd Dasso**, Construction Management

**Fagan: Ted Supplee, Allen Supplee**, Production Management

**Celcius Mechanical: Frank Aguilar, Jim Beasley**, Project Management

**Hoar Construction: Dave Hogus**, Superintendent

**Visionscape: Mike Valentine**, Superintendent

**Gigawatt Studios**, Interactive Design: **David Koenig, Ted Henning, Tom Shurman, Gary Brown**

**Visionetics**, Interactive Software: **Bob Rindfuss**

**Bleu 22**, On-line Integration: **Shawn Johnson**

**Fuel**, Interactive Design: **Janet Arlotta, Ken Neville, Mike Szabo, John Rocco**

**Forest Pruzan Creative: Andy Forrest, Alan Pruzan**

#### WDW Central Shops

**Doreen Mitchell**

**TPI: Ed Da Silva, Chris Raine, Stephen Misencik, Roger McApline**

**Metalcrafters: Doug Humphries, Scott Stewart**

**Chicago Gear: Jeff Wellman**

**Flenders: Aarnout Kant, Uwe Thoenniss, Arnold Hasebrock**

**GE Industrial Systems: David Jones**

**MOOG: Bill Lyons, William Egger**

**Taft: Patrick Walsh**

**ETC: William F. Mitchell, Tom G. Loughlin**

**Rod Millen: Rod Millen, Dean Banks, Peter LeNoach**

**Hansen Welding: Gary Hansen, Gary Ward**

#### WDW

**Executives: Karl Holz, Jeff Vahle, Brad Rex, Greg Hale, George Kalogridis**

**Juli B. Steiger**, Attractions Management Lead

#### Attractions Management

**Roger Stevens, Scott Leggett, Charlie West, Dave Veneables, Don Caton, Jay Cardinali**

#### Engineering Services

**John Kemp, Pat McKenzie, Jerry Orn, Jennifer Pitts, Tina Pignataro, Dan Soto, Dave Wiedman, Christie Roda**

#### Global Safety

**Greg Hale, Emmett Peter**

**Patty Dunne**, Costuming