



National Aeronautics and  
Space Administration

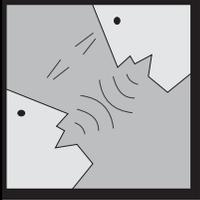
**Langley Research Center**  
Hampton, VA 23681-2199

Educational Product

Educators Grades 9-18

ET-2003-08-14-LARC

## NASA Learning through Interactive Videoconferencing Experiences



**LIVE**

<http://live.larc.nasa.gov>

### *Communicating NASA Knowledge to Colleges and Universities*

NASA LIVE (Learning through Interactive Videoconferencing Experiences) represents a new dimension in communicating knowledge and educational outreach. Hosted by NASA Langley's Center for Distance Learning in Hampton, VA, NASA LIVE is a series of FREE videoconferencing programs for colleges and universities. NASA LIVE is designed to (1) communicate NASA knowledge to faculty and students in order to increase mathematical, scientific, engineering, and technological literacy; (2) increase faculty and student interest and participation in NASA and related programs; (3) provide faculty and student with a network of NASA mentors and colleagues working on programs, projects, and research in aeronautics, space technology, atmospheric science, and related fields; and (4) support the mission of the various collegiate and professional organizations by establishing a link between NASA and university community.

NASA LIVE connects faculty and students to NASA in an interactive, virtual setting. Faculty and students across the nation will have the unique experience of visiting NASA experts via videoconferencing without the inconveniences and expenses associated with extended travel and time spent away from the classroom.

#### **Faculty Goals:**

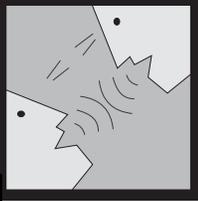
1. Enhance faculty research by providing contacts with NASA LaRC researchers, facilities, and projects;
2. Provide access to NASA research results;
3. Help model the effective use of technology and develop a professional strategy for integrating technology in the classroom; and
4. Raise awareness of and interest in NASA's LaRC faculty support programs (i.e., ASEE, ICASE, IPA, JIAFS, and NRC Post-doctoral); and
5. Foster faculty/NASA LaRC researcher collaboration by facilitating the two-way exchange of ideas, information, and knowledge;

#### **Student Goals:**

1. Foster student/NASA LaRC researcher collaboration by facilitating the two-way exchange of ideas, information, and knowledge;
2. Enhance student research by providing contacts with NASA LaRC researchers, facilities, and projects;
3. Provide access to NASA LaRC research results; and
4. Raise awareness of and interest in NASA's LaRC student support programs (i.e., co-ops, internships, LaRSS, GSRP, and employment).

# NASA Learning through Interactive Videoconferencing Experiences

Communicating NASA Knowledge to Universities and Colleges



LIVE

<http://live.larc.nasa.gov>

**A complete description of over 20 topics is available online. Here is just a sample of what you'll find:**

### **Biomimetic Flight: Learning from Nature**

Explore how biological flight has intrigued mankind for centuries and what NASA is developing that may be useful for engineering flight systems.

### **Flight Research: From Imagination to Realization**

Follow the steps of flight as research ideas and exploration become demonstration technologies involving Small Aircraft Technologies (SATS), the Blended Wing Body, revolutionary aircraft, and the Aviation Safety Program.

### **Mars: Planetary Exploration in the Coming Decade**

Witness a new era of robotic exploration as NASA plans future Mars missions as well as find out about the science goals and some of the engineering challenges of the past, present, and future missions.

### **Small Air Vehicles: What's the Big Idea**

Learn how NASA engineers and scientists are determining the usefulness of very small aircraft and how they manage some of the challenges encountered in trying to capture the utility of these small vehicles.

To schedule your FREE, NASA LIVE videoconference, register online at <http://live.larc.nasa.gov>.

#### **The Videoconference:**

- 60-minute program divided into three segments:
  - 30-minute presentation
  - 20-minute Q&A segment
  - 10-minute career segment
- A facilitator who manages the over all session;
- A presenter (i.e., a NASA LaRC engineer, scientist, and/or technician).

#### **Recommended Technology Requirements**

- ISDN Phone Lines (H.320) or Internet Protocol (H.323)
- TANDBERG\* type System (128-384 kbs)
- Solutions: AGT, VA-DIT Contract Holder\*

#### **Web site**

<http://live.larc.nasa.gov>

#### **How to Get Started:**

1. ACCESS the NASA LIVE Web site at <http://live.larc.nasa.gov>
2. SELECT the intended audience
3. SELECT a presentation topic.
4. COMPLETE the on-line registration form.

*You will receive a response within 72 hours of your request.*

#### **Contact Information:**

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