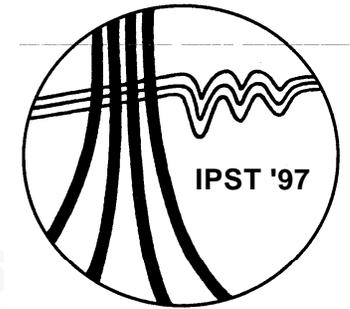


# IPST '97

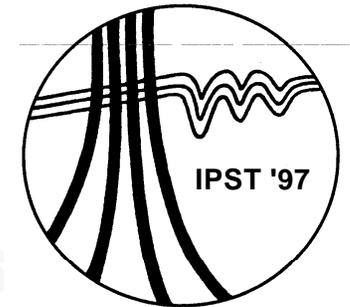


## International Conference on Power Systems Transients

Seattle  
June 22-26, 1997

Thomas E. Grebe  
Electrotek Concepts, Inc.  
Knoxville, Tennessee USA

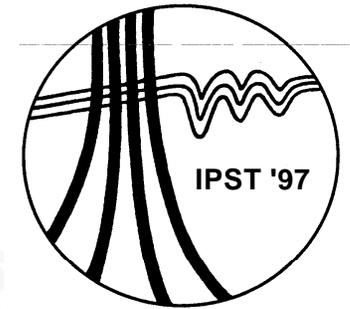
# Welcome



- ◆ Welcome to **IPST '97**, the second International Conference on Power Systems Transients.
  - ❖ This biennial event was created for the exchange of scientific and technical information related to electromagnetic transients in electric power systems.
- ◆ Contributions to the conference include topics related to the study of transient phenomena in electric energy systems.
  - ❖ This includes computer tools and simulations, transient network analyzer studies, and field measurements.

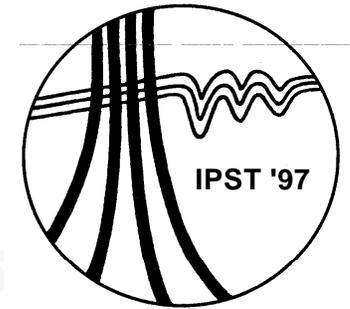


# IPST '97 Host



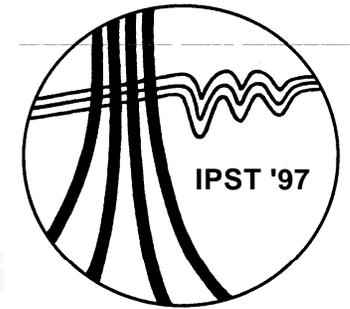
- ◆ IPST '97 is being hosted by the **Engineering Professional Programs** of the University of Washington.
  - ❖ Conference was initially planned for the UW campus.
  - ❖ Appropriate facilities could not be secured due to delays in the construction of several new engineering buildings.
- ◆ *I certainly hope that the location and facilities provide an environment that allows each of you to enjoy a productive and successful conference.*

# History of IPST



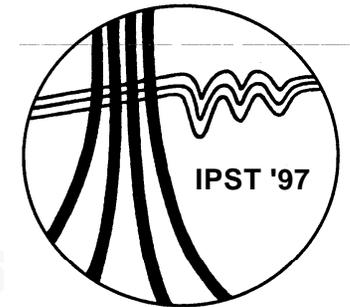
- ◆ IPST is an outgrowth of the European Conference on Power Systems Transients.
- ◆ The first **EPST** conference was hosted by IST of the Technical University of Lisbon and organized by Professor Maria Teresa Correia de Barros.
  - ❖ EPST '93 was held in Lisbon, Portugal during June 1993.
  - ❖ Conference included 39 contributions from 17 countries.

# IPST Organization



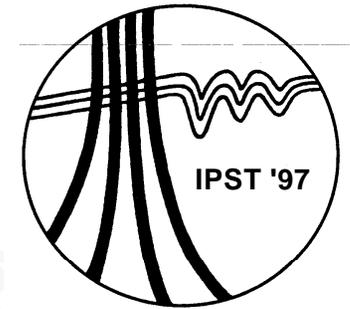
- ◆ Very positive response to EPST '93 led to:
  - ❖ Expansion of conference to international community.
  - ❖ Formation of an **Organizing Committee** (12 full-time members).
    - ✦ Committee maintains continuous responsibility for providing oversight of the process and ensuring coordination of the conference on a two year basis.
  - ❖ Selection of Local Organizing and Technical Committee Chairmen for each conference.
  - ❖ Plans include alternating between Europe and North America, however, a number of other equally attractive sites may also host IPST conferences in the future.

# First IPST



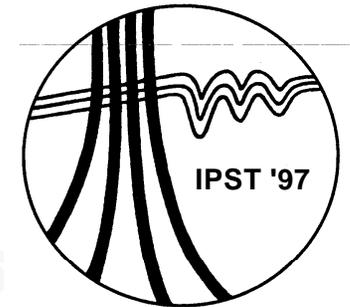
- ◆ **IPST '95** Conference held during September 1995 in Lisbon.
- ◆ The technical program included 94 contributions representing 27 countries.
- ◆ During the conference, the Organizing Committee met to formulate the plans for this year's conference:
  - ❖ Professor Juan Martinez of Spain, and Ritva Hirvonen of Finland selected to co-chair the Technical Committee
  - ❖ Thomas Grebe selected to chair the Local Organizing Committee.

# IPST '97



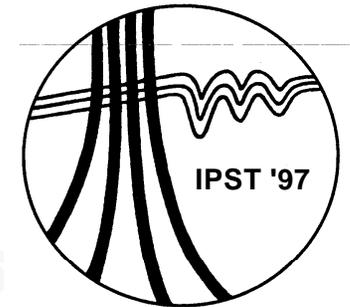
- ◆ Technical program that includes 23 sessions, 74 papers, representing 24 countries.
- ◆ Social program includes a tour of the **Museum of Flight** and a dinner-cruise on the ***Spirit of Puget Sound***.
- ◆ Conference format includes plenary sessions where papers of broad interest will be presented to all attendees and parallel sessions emphasizing specialized topics.
- ◆ Sessions will include time for discussions between the audience and authors.

# IPST Communication



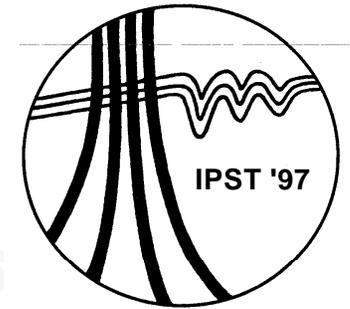
- ◆ During the two years of conference planning, the **IPST Home Page** was developed.
- ◆ The distribution of information, such as the Call for Papers and Announcement, for this international conference was enhanced considerably by this relatively new communication technique.
- ◆ Wide-spread acceptance of this form of information distribution could quite possibly mean that the organization of IPST '99 could be a near paper-less endeavor.

# IPST Observations



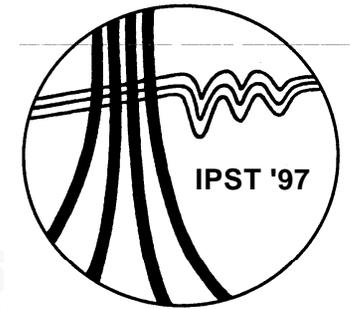
- ◆ A review of the technical program and attendance roster for this conference indicates:
  - ❖ Solid core group of professionals that have a significant interest in power system transients.
    - ✦ Realization of an on-going International Conference with your peers must be very satisfying.
  - ❖ Number of younger engineers have recently entered into the field as either engineers or educators.
    - ✦ Opportunity to meet a number of these individuals this week as authors or session chairmen.
    - ✦ Appreciate the opportunity to interact both technically and socially with such a distinguished group.
- ◆ **I believe that these factors indicate that the future for IPST is bright.**

# IPST Sponsorships



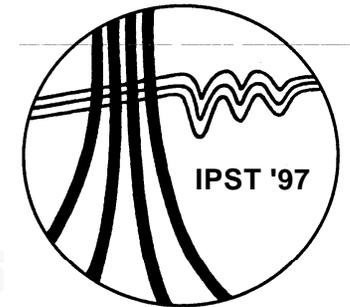
- ◆ Primary goal that this conference remain technically sound and free from political or business pressures.
- ◆ Realization that the on-going escalation of costs can ultimately impact registration fees.
- ◆ May often need organizations willing to contribute to the conference:
  - ❖ Help to achieve acceptable registration fees.
  - ❖ Do not sacrifice technical quality of the process.
- ◆ Thanks to **Manitoba HVDC Research Center**, **MicroTran Power System Analysis Corporation**, and **Electrotek Concepts** for their generous contributions.

# Thanks



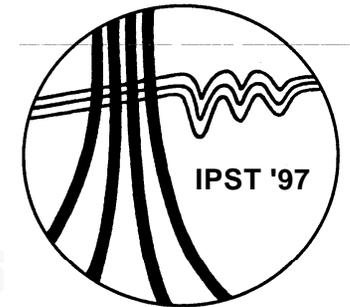
- ◆ On behalf of the IPST Organizing Committee:
  - ❖ **Technical Committee** for their efforts during the paper selection and review process.
  - ❖ **Authors** for preparing and submitting a considerable number of excellent technical papers.
  - ❖ **Local Organizing Committee** and the staff of the Engineering Professional Programs at the University of Washington.
    - ✦ Karrie Simic and Jan Kvamee for successfully coordinating a significant portion of the local arrangements. Their efforts have proven the value of on-site planning and preparation.
    - ✦ Professor Willis Long for his guidance and timely advice throughout the planning process.

# Personal Notes



- ◆ I would like to thank the IPST Organizing Committee, and especially Teresa, for their faith in asking me to serve as Conference Chairman.
- ◆ I knew that living up to the success of the Lisbon conference would be a difficult challenge, however, I can now say that it has been a very rewarding process as well.
- ◆ I certainly hope that this conference will be a successful event for each of you.

# This Morning's Program



*Welcome to the Attendees and Research Activities and  
Future Directions of the College of Engineering*

**Mark Damborg**

Associate Dean for Research and Facilities of the College  
of Engineering, University of Washington

*Research Directions and Educational Activities of the  
University of Washington Power Program*

**Professor Chen-Ching Liu**

Electric Power Systems Group, University of Washington

*Perspectives on a Deregulated Customer-Driven Utility*

**Gary Swofford**

Vice President, Customer Operations, Puget Sound  
Energy