

**28th ISTA
SEED SYMPOSIUM**

Iguassu Falls, 7-9 May 2007

Diversity in Seed Technology



- **6 oral sessions: chaired by lead speakers**
- **2 poster sessions**

Session 1: Diversity within and among seed lots and species

Lead speaker:
Dr Michael Kruse,
University of Hohenheim

- **GM testing**
- **Varietal identification**
- **Germplasm for breeding**
- **Lot heterogeneity and sampling**
- **Purity**
- **Automated & computer-based methods of identification and assessment**



Session 2: Problems associated with the domestication and use of non-crop species

Lead speaker:
Dr Miran Eira
Embrapa

- Seed production & processing
- Germination & dormancy
- Contamination with other organisms
- Seed borne pathogens
- Includes: flower, tree, shrub and medicinal species



Session 3: Diversity in contaminating organisms

Lead speaker;
Prof Gary Harman
Cornell University



- Detection and effects of seed-borne pathogens, weeds, other species and parasitic plants
- Seed treatments
- Effects of seed performance

Session 4: Seed development, dormancy and germination: physiology and methods

ISSS collaborative session



Lead speaker:
Dr Roberto Benech-Arnold
University of Buenos Aires

- **Seed development & maturation**
- **Influence of seed production factors**
- **Viability, germination**
- **Dormancy, dormancy breaking**
- **Acquisition of desiccation tolerance**

Session 5: Vigour and invigoration

Professor Kent Bradford
University of California



**Causes of vigour differences (seed production,
processing, physiological)**

Vigour testing

Impact of vigour on emergence and storage

Priming and other invigoration treatments

Session 6: Seed storage and genetic conservation



Lead speaker:
Dr Hugh Pritchard
Royal Botanic Gardens, Kew

- **Desiccation sensitivity and alternative storage methods for recalcitrant seeds**
- **Orthodox seed storage**
- **Processing, drying and optimum conditions for long term storage**
- **Predicting storage potential**
- **Physiological basis of seed deterioration**



**We hope you'll join us in
Brazil!**



**PS. The Falls are beautiful, but also
very wet!!!**