

PROGRAM

March 12 (Sunday)

17:00-20:00 **Registration (at the Okazaki New Grand Hotel)**

March 13 (Monday)

09:00-09:50 **Welcome Address**

Motoya Katsuki (National Institute for Basic Biology, Japan)

Introduction to “The Biology of Extinction”

Tetsukazu Yahara and Callum Roberts (Organizers)

Session 1: Historic and Prehistoric Extinctions (Chair: Tet Yahara)

09:50-10:40 **“Natural vs. Human Causes of Extinction on Islands”**

Storrs L. Olson (Smithsonian Institution, USA)

10:40-11:00 **Coffee Break**

11:00-11:50 **“Inferring Regional Evolutionary Rates from Present-day Biogeographic Information”**

Emma E. Goldberg & Russell Lande (University of California San Diego, USA)

11:50-12:50 **Lunch**

Session 2: Patterns and Genetics of Extinction (Chair: Brad Shaffer)

12:50-13:40 **“Extinction Risk in Mammals: Phylogenetic and Geographic Patterns”**

Andy Purvis (Imperial College, UK)

13:40-14:30 **“Future land-use and climate change and extinction risk in birds”**

Walter Jetz (University of California San Diego, USA)

14:30-14:50 **Coffee Break**

14:50-15:40 **“Assessing Freshwater Extinctions: the Data from Freshwater Fishes.”**

Melanie Stiassny (American Museum of Natural History, USA)

- 15:40-16:30 **“Geographic and Taxonomic Patterns of Extinction in Terrestrial Vertebrates of the Ryukyus and Adjacent Islands”**
Hidetoshi Ohta (Ryukyu University, Japan)
- 16:30-17:20 **“Are Conservation Concerns about Loss of Genetic Diversity Justified?”**
Richard Frankham (Macquarie University, Australia)
- 17:30-19:30 **Get Together (at Okazaki Conference Center)**

March 14 (Tuesday)

Session 3: Population Perspectives for Extinctions (Chair: Russ Lande)

- 09:00-09:50 **“Quantifying the Foundations of Extinction Biology: a Base for Innovation”**
Barry Brook (Charles Darwin University, Australia)
- 09:50-10:40 **“Metapopulation Extinction”**
Ilkka Hanski (University of Helsinki, Finland)
- 10:40-11:00 **Coffee Break**
- 11:00-11:50 **“Importance of Allee Effects for Population Extinctions ”**
Franck Courchamp (University of Paris-Sud, France)
- 11:50-12:50 **Lunch**
- 12:50-13:40 **“Correlates of Intrinsic Regulation: Implications for Assessing Extinction Risk”**
Corey J. A. Bradshaw (Charles Darwin University, Australia)

Session 4: Community Perspectives for Extinction (Chair: Yoh Iwasa)

- 13:40-14:30 **“Ecological Extinction and Community Organization”**
Enric Sala (Scripps Institution of Oceanography, USA)
- 14:30-15:20 **“How to Avoid Extinction under the Adaptive Ecosystem Management and the Maximum Sustainable Yield Theory”**
Hiroyuki Matsuda (Yokohama National University, Japan)
- 15:20-15:40 **Coffee Break**
- 15:40-16:30 **“ Rain Forest Fragmentation, Community Composition and Species Extinction”**
Keith Hamer (University of Leeds, UK)

16:30-17:20 **“Coexistence and Exclusion of Tree Species in Forests: Testability of Proposed Mechanisms of Species Coexistence”**
Akio Takenaka (National Institute of Environmental, Japan)

18:00- **Japanese-style Dinner**

March 15 (Wednesday)

Session 5: Invasion and Extinction (Chair: Franck Courchamp)

09:00-09:50 **“Invasion and Extinction on the Hawaiian Islands: Lessons from the Past and Present”**
David Duffy (University of Hawaii at Manoa, USA)

09:50-10:40 **“Spatial Dynamics of Extinction Resulting from Invasions”**
Alan Hastings (University of California Davis, USA)

10:40-11:00 **Coffee Break**

11:00-11:50 **“Genetic Extinction by Hybridization: Theoretical Models”**
Yoshinari Tanaka (Chuo University, Japan)

11:50-12:40 **“Extinction via Hybridization with Invasive Species ”**
Brad Shaffer (University of California Davis, USA)

12:40-13:40 **Lunch**

13:40-17:00 **Poster Session**

March 16 (Thursday)

Session 6: Climate Change, Extinction and Management (Chair: Hiroyuki Matsuda)

09:00-09:50 **“Uncertainty in Projections of Extinction Risk from Climate Change”**
Miguel B. Araujo (Oxford University, UK)

09:50-10:40 **“Ecological Niches of Species, Climate Change, and Extinction”**
E. Martinez-Meyer (UNAM, Mexico)

10:40-11:00 **Coffee Break**

11:00-11:50 **“Global-change Impacts on Seasonal Dynamics of Plant-pollinator Interactions”**
Gaku Kudo (Hokkaido University, Japan)

- 11:50-12:40 **“Dynamic Decision-Making Formalism of the Optimal Management of Extinction Risk”**
Yoh Iwasa (Kyushu University, Japan)
- 12:40-17:00 **Excursion**
- 17:45-19:45 **Conference Dinner (at the Okazaki New Grand Hotel)**

March 17 (Friday)

Session 7: 8 Lectures Selected from Poster Presentation (Chair: Tet Yahara)

- 09:00-10:40 Jon Bielby (Imperial College London, UK)
John Halley (Aristotle University of Thessaloniki, Greece)
Fumiko Ishihama (National Institute for Environmental Studies, Japan)
Jorgen Ripa (Lund University, Sweden)
- 10:40-11:00 **Coffee Break**
- 11:00-12:40 Cagan Sekercioglu (Stanford University, USA)
Kei Tokita (Osaka University, Japan)
Jean-Christophe Vie (IUCN-The World Conservation Union, Switzerland)
Christopher Wilmers (University of California, Davis, USA)
- 12:40-13:40 **Lunch**

Session 8: Toward an Integrated Understanding of Extinction (Chair: Ilkka Hanski)

- 13:40-14:30 **“Ecosystem Extinction in the Seas”**
Jeremy Jackson (Scripps Institution of Oceanography, USA)
- 14:30-15:20 **“Southeast Asian Biodiversity in Crisis”**
Navjot Sodhi (National University of Singapore, Singapore)
- 15:20-15:40 **Coffee Break**

- 15:40-16:30 **“Population Trajectories Leading to Extinction”**
Russell Lande (University of California San Diego, USA)
- 16:30-16:50 **Concluding Remarks**
Testukazu Yahara (Organizer)
- 16:50-17:10 **General Discussion**