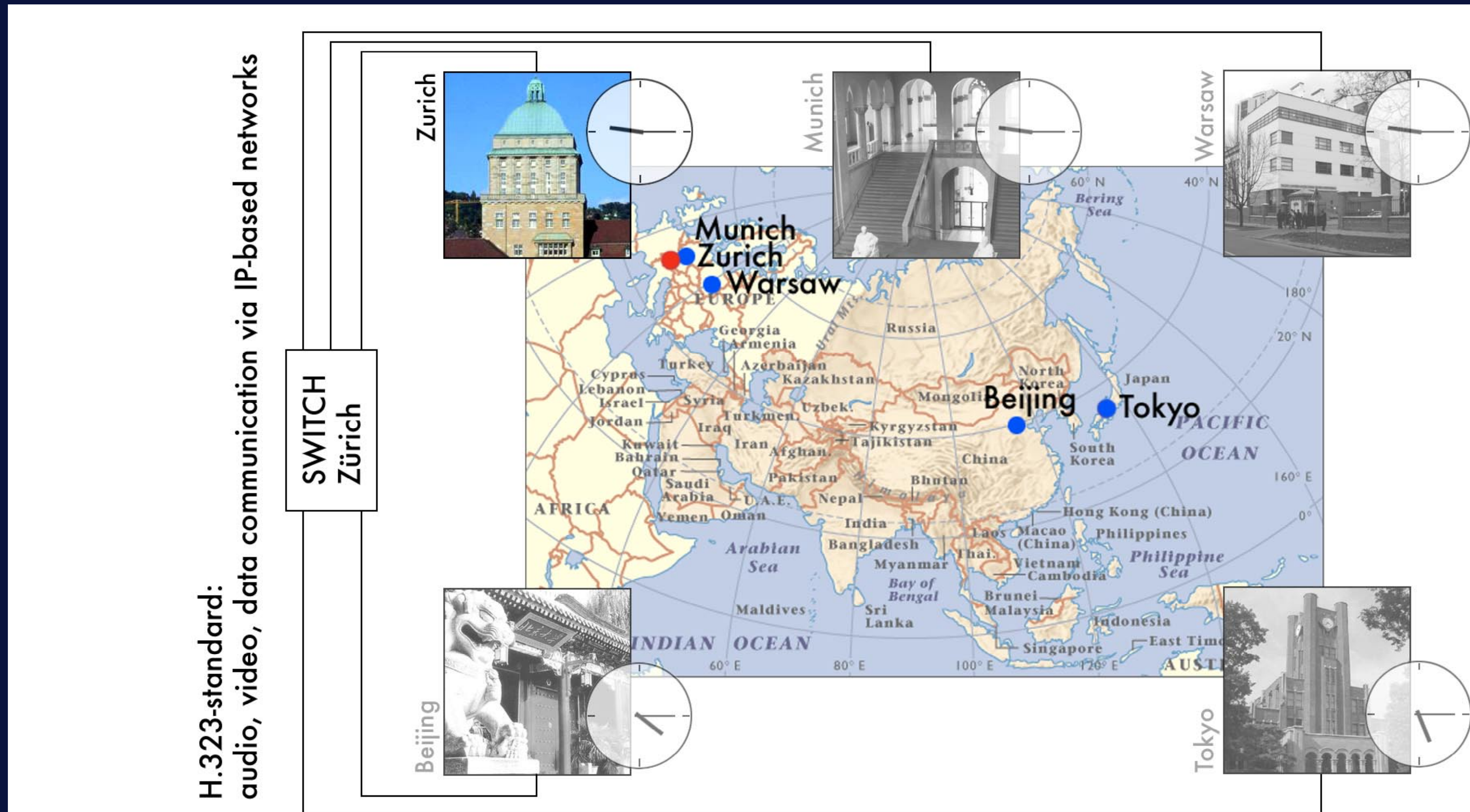


The AI Lectures from Tokyo: An Experiment in Global Teaching

Goal

To broadcast a series of lectures on modern Artificial Intelligence given by one of the most renowned researchers and teachers in the field, to a number of universities around the globe. Bringing together several hundred students from different continents, the *AI Lectures from Tokyo* aim at establishing a global community in the field of modern Artificial Intelligence. State-of-the-art interactive video conferencing technology and a novel method of knowledge transfer allow for an interactive learning environment suited for communicating complex scientific material, taking today's potential in global teaching to the next level.

Location



Universität Zürich, Irchel Campus, Hörsaal Y15-G-60, Winterthurerstr. 190

Time / Dates

The lecture series starts on November 4, 2003 and ends on January 27, 2004. It comprises 10 lectures; the first part of each lecture will be theory, in the second part we will present practical examples from AI research such as the latest robots and projects to deepen the theoretical concepts introduced during the first part of the lectures.

Time: Tuesdays, 9:15–11:15 AM CET, 5:15–7:15 PM Tokyo, 4:15–6:15 PM Beijing

- Lecture 1: 4 Nov. 2003 – Intelligence: An Eternal Conundrum?
- Lecture 2: 11 Nov. 2003 – Cognition as Computation: Why Did it Fail?
- Lecture 3: 18 Nov. 2003 – Embodied Intelligence: Basics
- Lecture 4: 25 Nov. 2003 – Synthetic Psychology: Designing from the Bottom up
- Lecture 5: 2 Dec. 2003 – Building Brains and Bodies: Artificial Neural Networks
- Lecture 6: 9 Dec. 2003 – The Emergence of Intelligence: Artificial Evolution and Morphogenesis
- Lecture 7: 16 Dec. 2003 – Theory of Intelligence: Design Principles for Intelligent Systems
- Lecture 8: 13 Jan. 2004 – Intelligence Revisited: Achievements and Challenges (final regular lecture)
- Lecture 9: 20 Jan. 2004 – Future Trends 1
- Lecture 10: 27 Jan. 2004 – Future Trends 2

Future Trends sessions aim at adding to the edutainment value: The latest and hottest robots and projects in Artificial Intelligence will be presented personally by the researchers, including robot demonstrations, video clips, short explanations; this will also be interactive and provide an opportunity for students to ask questions.

Lecturer

Prof. Rolf Pfeifer, Director of the Artificial Intelligence Laboratory, University of Zurich; currently visiting Professor at the Department of Mechano-Informatics, School of Information Science & Technology, University of Tokyo.

Broadcast Format

Interactive video conferencing from the University of Tokyo and live internet streaming of the lectures on www.tokyolectures.org

Interactivity

During the lectures students from different sites will have the opportunity to ask questions.

Background Reading

"Understanding Intelligence" by Rolf Pfeifer and Christian Scheier, MIT Press, 2001 (Paperback Edition). Japanese Edition: "Chi no sousei", Kyoritsu Shuppan, 2001.

Classwork Exercises

Individually at each site. For detailed information please visit: www.tokyolectures.org

Special Event

live discussion with AI visionary
Rodney Brooks (MIT, Boston)
exact date to be announced