

## IUPAC Project Progress Report

**Project number: 2002-003-2-500**

**Project Title: Performance Evaluation Criteria for Preparation and Measurement of Macro and Microfabricated Ion-Selective Electrodes**

**Task Group Leader: Yoshio Umezawa**

### Report:

1. Current status of project: Erno Lindner, Task Group member, came to Tokyo (July 5–July 12, 2004) and worked with me for full one week to write a draft manuscript for our project. The content of the report includes:
  1. Introduction
  2. Ionophore based liquid membrane ion-selective electrodes
  3. Trace analysis with ion-selective electrodes
  4. Consequences of improved detection on limits on the selectivity coefficients
  5. Conditioning of ion selective electrodes for optimal performance
  6. Inconsistencies in the recommended procedures for presenting a calibration plot for pH and other ion selective electrodes
2. Progress relative to 'milestones':

The manuscript is not quite completed but rather of 70% completion.
3. Difficulties encountered (or concerns):

None
4. Projected completion date (documents ready for external review):

Within another three months
5. Intended outputs and the dissemination plan for this project:

Technical Report in *Pure and Applied Chemistry*