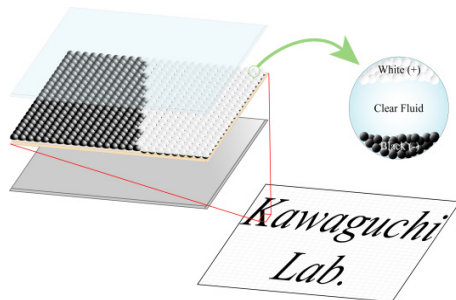
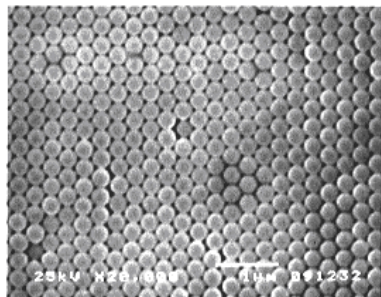


# Preparation of Functional Polymeric Microsphere and Application to Electronic Paper

Professor Seigou Kawaguchi

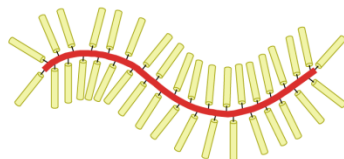
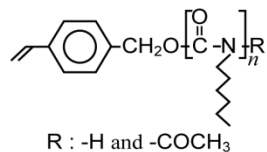
## 1. Preparation of Functional Polymeric Microspheres and Application to Electronic Paper



## Development of Nano-inks for Full-Color Electronic Paper



## 2. Precision Polymerization and Fundamental Structural Characterization of Structurally Unique Polymers



## Content:

In our research group, the functional polymeric microspheres have been synthesized by using various heterogeneous polymerizations including micellar, emulsion, dispersion, and mini-emulsion polymerizations. The polymeric microspheres have been used in many fields, such as coatings, adhesives, color materials, toner, electronic materials, cosmetics, and etc.

Electronic rewritable papers have recently been attracted a great deal of interest for use in information displays, requiring low cost, low weight, good flexibility, and low power consumption. The functional colored particles applicable to the full-color electronic display have been synthesized and evaluated.

Our research group is also interested in a research field related to the preparation and characterization of functional polymer, macromonomer, and structurally unique polymer.

Yamagata University Graduate School of Science and Engineering  
Research Interest : Polymer Synthesis & Physics

E-mail : [skawagu@yz.yamagata-u.ac.jp](mailto:skawagu@yz.yamagata-u.ac.jp)

Tel : 0238-26-3182  
0238-26-3785

Fax : 0238-26-3182

