

The Materials Science and Engineering Department**welcomes****Dr. Takeji Hashimoto****Professor Emeritus, Kyoto University***Department of Polymer Chemistry, Graduate School of Engineering***“Cascading Time-Evolution of Dissipative Structures Which Leads to
Unique Crystalline Textures, “Shish-kebabs” and “Extended Chain
Crystals”****Abstract**

We will discuss unique pattern formation processes and mechanisms via crystallization of materials under external fields as one of general problems in statistical physics of open nonequilibrium phenomena. Specifically, we will elucidate for the first time “the roles of the external flow fields” on crystallization of homogeneous solutions of flexible polymers into the



**Department of Materials Science
and Engineering**

Special Seminar
*Hosted by Prof. Tadonori Koga &
Prof. Maya Koga*

August 24, 2015
1:00 pm Old Engineering Room 301

unique crystalline textures which demands reduction of enormously large conformational entropy of polymers.