Mathematical Aspects of Surface and Interface Dynamics X
表面・界面ダイナミクスの数理 **X**

October 28 (Wed.) – October 30 (Fri.), 2015
Room 056, Graduate School of Mathematical Sciences,
University of Tokyo

October 28 (Wed.)

15:00 – 15:40   Ken Shirakawa (Chiba University)
        Mathematical analysis for Kobayashi-Warren-Carter type models
        of grain boundary motions

16:00 – 16:40   Takeshi Ohtsuka (Gunma University)
        A level set method for evolution of several spiral steps and
        its applications to spiral crystal growth

October 29 (Thu.)

10:30 – 11:30   Olivier Pierre-Louis (Université Claude Bernard Lyon 1/CNRS)
        Crystal growth

13:00 – 13:30   Tomoya Kemmochi (University of Tokyo)
        Numerical analysis on shapes of membranes on rippled surfaces
        with adhesion

13:30 – 14:00   Ken-ichiro Murata (Hokkaido University)
        A simple physical model for surface melting on ice crystals

14:15 – 15:10   Olivier Pierre-Louis (Université Claude Bernard Lyon 1/CNRS)
        Liquid-state and solid-state wetting and dewetting

15:40 – 16:10   Hitoshi Miura (Nagoya City University)
        Phase-field simulation of step dynamics on growing crystal surface

16:30 – 17:10   Koichi Sudoh (Osaka University)
        Evolution of hole arrays on Si substrates by surface diffusion

October 30 (Fri.)

10:30 – 11:30   Olivier Pierre-Louis (Université Claude Bernard Lyon 1/CNRS)
        Adhesion of membranes on solid substrates

13:00 – 13:40   Etsuro Yokoyama (Gakushuin University)
        Growth morphology of an ice crystal in undercooled water

13:40 – 15:20   Discussion