



# FMSP Lectures

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"Some strongly degenerate parabolic  
equations"  
(joint with Prof. A. Tani)

May 16 (Wednesday), 14:45 ~ 15:45 Room 122

**Abstract:**

We consider some nonlinear 1D parabolic equations with the positive leading coefficient which is not away from zero. "Hyperbolic phenomena" (gradient blowing up phenomena) were reported in literature for such models. We describe special cases of regular solvability for degenerate equations under study.