# Workshop on Nonlinear parabolic PDEs and related fields
# - in honor of the 60th birthday of Marek Fila and Peter Poláčik -

**Period:** June 13th (Thursday) 13:30   –   14th (Friday) 16:50

**Place:** Lecture Room, Graduate School of Mathematical Sciences,
Komaba 1 Campus, The university of Tokyo

### June 13rd

13:30 – 13:40   opening

13:40 – 14:30   Michael Winkler (Universität Paderborn)
How rates affect rates - some treasure discoveries related to
the work of Marek Fila

14:50 – 15:40   Masahiko Shimojo (Okayama University of Science)
Convergence to traveling wave for the logarithmic diffusion equation
with bistable nonlinearity on a line

16:00 – 16:50   Pavol Quittner (Comenius University)
Entire solutions of a semilinear heat equation

## June 14th

10:00 – 10:50  Tatsuki Kawakami (Ryukoku University)
Critical Fujita exponents for semilinear heat equations
with quadratically decaying potential

11:10 – 12:00  Yohei Fujishima (Shizuoka University)
Solvability for a semilinear heat equation without
the self-similar structure

12:00 – 13:40  lunch

13:40 – 14:30  Hiroshi Matano (Meiji University)
Propagation of bistable fronts through a perforated wall

14:50 – 15:40  Peter Poláčik (University of Minnesota)
On the multiplicity of self-similar solutions of the semilinear
heat equation

16:00 – 16:50  Marek Fila (Comenius University)
Continuation beyond interior gradient blow-up in a semilinear
parabolic equation

Organizers:
Kazuhiro Ishige (The University of Tokyo)
Tatsuki Kawakami (Ryukoku University)
Yasuhito Miyamoto (The University of Tokyo)