

Optimization and Equilibrium Seminar

Speaker: Professor Rita Pini, Department of Mathematics and Applications, University of Milano-Bicocca, Italy

Title: Brezis pseudomonotone bifunctions and quasi equilibrium problems via penalization.

Abstract: We investigate quasi equilibrium problems in a reflexive Banach space under the assumption of Brezis pseudomonotonicity of the function involved. To establish existence results under weak coercivity conditions we replace the quasi equilibrium problem with a sequence of penalized usual equilibrium problems. To deal with the non compact framework, we apply a regularized version of the penalty method. The particular case of set-valued quasi variational inequalities is also considered (Joint work with Monica Bianchi and Gabor Kassay).

Venue: Online via Google Meet: <https://meet.google.com/aer-kove-tns>

A brief biography of the speaker: Rita Pini is a Professor at the Department of Mathematics and Applications of the University of Milano-Bicocca (Italy). She earned her master's degree in Mathematics from the University of Milano in 1983, held a Researcher position at the University of Verona (1987-1992), and then was appointed as Associate Professor (until 2001) and Professor at the Universities of Milano and Milano-Bicocca. Her research interests include equilibrium problems, nonlinear optimization, variational analysis, convexity in Carnot groups

Coordinators: Fabián Flores-Bazán (CMM, Universidad de Concepción) and Abderrahim Hantoute (Alicante)

Major information on the this and previous seminars may be found at:

<https://eventos.cmm.uchile.cl/optimseminar/seminars>

Date: December 15, 2021 at 10:00 am (Chilean-time)