

# VARIATIONAL ANALYSIS AND OPTIMIZATION - VAO2024

The workshop, in honor of Nicolas HADJISAWAS on the occasion of his 70th birthday, aims to give an overview on some recent advances in the field of variational analysis and optimization focusing on both theory and applications.

## May 30

13.30 - 14.00 Registration and Welcome

14.00 - 14.45 **Didier AUSSEL**  
Greetings to Nicolas (remotely)

14.45 - 15.30 **Aris DANIILIDIS**  
The role of asymmetry in applied analysis

15.30 - 16.15 **Juan Enrique MARTINEZ-LEGAZ**  
Closed convex sets that are both Motzkin decomposable and generalized Minkowski sets

16.45 - 17.30 **Yboon Victoria GARCIA RAMOS**  
Characterizing quasiconvexity of the pointwise infimum of a family of arbitrary translations of quasiconvex functions

17.30 - 18.15 **Felipe LARA**  
Characterizations of strongly quasiconvex functions and its applications in the gradient method (remotely)

## May 31

9.30 - 10.15 **John COTRINA**  
Remarks on projected solutions for generalized Nash games

10.15 - 11.00 **Jacqueline MORGAN**  
On existence and approximations of solutions and bilevel Nash equilibria in multi-leader-multi-follower games

11.30 - 12.15 **Mohammad Hossein ALIZADEH**  
On  $\sigma$ -convex function and  $\sigma$ -monotonicity

12.15 - 13.00 **Massimiliano GIULI**  
A variational approach to weakly continuous preference relations

13.00 - 13.15 Closure



To participate in the meeting remotely [CLICK HERE](#)

The abstract of the talks are available here:  
<https://sites.google.com/unibs.it/vao2024/home-page?authuser=0>

## Workshop

**May 30th from 13.30  
and May 31st from 9.30  
Room Cripta Aula Magna  
Largo A. Gemelli, 1 - Milano**



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Department of Mathematics and Applications,  
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University of Messina  
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