XIV BRAZILIAN WORKSHOP ON CONTINUOUS OPTIMIZATION

CERTIFICATE

We hereby certify that, Angelia Nedich (Arizona State University), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Random Algorithms for Problems with Large Number of Constraints".

.

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER **FGV** | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

CERTIFICATE

We hereby certify that, Ernesto Birgin (Universidade de São Paulo), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Current work in the development of augmented lagrangian software and applications".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER — FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS — CAPES · CNPq · FAPERJ · FAPESP · INCTMat

XIV BRAZILIAN WORKSHOP ON CONTINUOUS OPTIMIZATION

CERTIFICATE

We hereby certify that, Fatma Kilinç-Karzam (Carnegie Mellon University), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "New Perspectives on Deriving Compact Extended Formulations for Optimization Problems with Indicator Variables".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER **FGV** | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

CERTIFICATE

We hereby certify that, Gabriel Haeser (Universidade de São Paulo), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "On theory and practice of augmented Lagragian methods".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER **FGV** | SCHOOL OF APPLIED MATHEMATICS

SPONSORS   CAPES   CNPq   FAPERJ   FAPESP   INCTMat

CERTIFICATE

We hereby certify that, Geovani Grapiglia (Université Catolique de Louvain), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "First and zeroth-order implementations of the regularized Newton method with lazy approximated Hessians".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

CERTIFICATE

We hereby certify that, Giampaolo Liuzzi (Università di Roma), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Worst case complexity bounds for linesearch-type derivative-free algorithms".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER

FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

We hereby certify that, Marcos Raydan (Universidade Nova de Lisboa), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Optimization schemes on manifolds for structured matrices with fixed eigenvalues".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER   FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS   CAPES   CNPq   FAPERJ   FAPESP   INCTMat

CERTIFICATE

We hereby certify that, Michel de Lara (École Nationale de Ponts et Chaussees), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Algorithms in Generalized Convexity".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

CERTIFICATE

We hereby certify that, Paulo Silva e Silva (Universidade Estadual de Campinas), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "The spectral proximal gradient method and new applications".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER FGV | SCHOOL OF APPLIED MATHEMATICS

SPONSORS CAPES CNPq FAPERJ FAPESP INCTMat

CERTIFICATE

We hereby certify that, Philippe Toint (Université de Namur), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "Some recent proposals for nonconvex optimization".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER **FGV** | SCHOOL OF APPLIED MATHEMATICS

SPONSORS — CAPES — CNPq — FAPERJ — FAPESP — INCTMat

We hereby certify that, Roland Herzog (Heidelberg University), participated in the XIV Brazilian Workshop on Continuous Optimization held at FGV, Rio de Janeiro, March 4 – 9, 2024 and presented the following Plenary Talk: "A Riemannian Convex Bundle Method".

Rio de Janeiro, March 8, 2024.

Alfredo Iusem (chair)

Organizing Committee

ORGANIZER

SPONSORS