Research Line Lead

DAVID MODESTO
SENIOR RESEARCHER

CASE - Geosciences Applications

View Research Lines
- Electromagnetic Modeling and Inversion
- Reduced Order Methods in HPC

Research Line Department / Group Leaders

JOSE MARIA CELA ESPIN
COMPUTER APPLICATIONS IN SCIENCE AND ENGINEERING DIRECTOR

CASE

View Research Lines
Agent-Based Models
- Alya - High Performance Computational Mechanics
- Atmospheric Impact Services
- BSIT: Barcelona Subsurface Imaging Tools
- Computational Modeling for Fusion
- Computational fluid mechanics - Incompressible flows
- Cultural Evolution
- Earthquake Simulation
- Electromagnetic Modeling and Inversion
- Electronic transport
- Fast Ion Physics
- HPC Frameworks
- HPC Geophysical Applications
- HPC Workflows
- Inverse Modelling
- Microscale wind simulations and wind resource assessment
- Reduced Order Methods in HPC
- Respiratory system
- Smart and resilient cities
- Urban-scale Atmospheric Dispersal Modeling
- Volcanic ash

MAURICIO HANZICH

HPC SOFTWARE ENGINEERING GROUP MANAGER

CASE - HPC Software Engineering

View Research Lines
- Atmospheric Impact Services
- BSIT: Barcelona Subsurface Imaging Tools
Electromagnetic Modeling and Inversion
- HPC Frameworks
- HPC Geophysical Applications
- HPC Software Optimization
- HPC Workflows
- Inverse Modelling

JOSEP DE LA PUENTE
GEOSCIENCES APPLICATIONS GROUP MANAGER
CASE - Geosciences Applications

View Research Lines
- Earthquake Simulation
- Electromagnetic Modeling and Inversion
- HPC Geophysical Applications
- Inverse Modelling
- Reduced Order Methods in HPC

Research Line Staff
NATALIA GUTIERREZ
JUNIOR RESEARCHER

CASE - HPC Software Engineering

View Research Lines
- BSIT: Barcelona Subsurface Imaging Tools
- Electromagnetic Modeling and Inversion
- HPC Frameworks
- HPC Geophysical Applications

OCTAVIO CASTILLO
POSTDOCTORAL RESEARCHER

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