Given that the current infection is easily transmitted through physical contact, either direct or indirect, this year it is necessary to take certain measures to avoid contagion:

- There will be no "reception desk".
- In the web page you can download all your documentation (https://cmmse-app.firebaseapp.com/login). Any questions will be answered by email at cmmse@usal.es.
- In Room 1 it is recommended to keep 2 meters distance between the participants' seats.
- Remember that the use of a mask is mandatory in closed public rooms, which includes meeting rooms.
- It is not possible to do catering services (food or drink) standing up. It is a standard of the hotel.
- The excursion has been canceled for prevention reasons.
Opening  Monday 27: 9:45 – 10:00  Room 1

PRESENCIAL SESSIONS:
Session I: Mathematical Models for Computer Science
Monday 27: 10:00 – 13:30  Room 1
Chair: M. Ojeda

Speaker: ALEDO, JUAN
Title: Orbital Structure of Parallel and Sequential Graph Dynamical Systems over Directed Graphs

Speaker: OJEDA, MANUEL
Title: Inconsistency in Fuzzy Logic Systems

Speaker: MEDINA, JESUS
Title: Value reduces to simplify decision rules

Speaker: PEREZ, FRANCISCO
Title: A motivation to deal with imprecise knowledge in FCA in an efficient way

Speaker: CORDERO, JOSE
Title: On pseudo-intents for data with grades

Speaker: LOBO, DAVID
Title: On sup-equations with a multi-adjoint nature

Speaker: GARCÍA ARAGÓN ROBERTO
Title: Ordering quotient set of local congruences

Session P1: Poster Session
Monday 27: 16:00 – 17:00  Room 1 (punctuality is requested at 16:00)
Chair: Peter Alonso

Speaker: VERA, PEDRO
Title: A classical music recognition system based on audio-to-audio alignment

Speaker: MUÑOZ, ANTONIO JESUS
Title: Analysis of multichannel source separation using a projection-based method

Speaker: RANILLA, JOSE
Title: Two simple protocols for improving the uniformity of quantum random bits in the presence of noise

Speaker: RANILLA, JOSE
Title: On the influence of classical minimizers on the quantum approximate optimization algorithm

Speaker: ALONSO-JORDA, PEDRO
Title: A Taylor Algorithm for Computing the Action of the Matrix Exponential on a Vector
Speaker: HAUT, JUAN M.
Title: Efficient Networks for Remote Sensing Image Processing

Speaker: ALONSO-JORDA, PEDRO
Title: High Performance Inference for Low-Power Multicore Processors

Session II: New advances in statistical methodologies in Chemistry & Biology
Tuesday 28: 9:50 – 12:30  Room 1
Chair: Felipe Marques

Speaker: LUQUE, IRENE
Title: Under sampling Molecule Data Sets Removing the Activity Borders by means of the R. and R. Indexes

Speaker: REYES-SANTIAS, FRANCISCO
Title: Using flexible regression models for calculating hospital services’ production functions

Speaker: PEREZ-SANCHEZ, HORACIO
Title: Drug discovery on high performance computing architectures

Speaker: MARQUES, FILIPE
Title: On the distribution of the likelihood ratio test for sphericity considering samples with random size

Session III: High-Performance Computing
Tuesday 28: 16:00 – 18:30  Room 1
Chair Pedro Alonso-Jorda

Speaker: CECILIA CANALES, JOSE MARIA
Title: High-throughput clustering techniques with virtualized GPUs at the edge

Speaker: BELLOCH, JOSE A.
Title: Many-core SoC for a distributed Spatial Audio System

Speaker: BERNABE, GREGORIO
Title: Diagnosis of left ventricular non-compaction through deep learning

Speaker: CANO, JAVIER
Title: Enabling QoS provision in OPA switches

Speaker: DÁVILA MARIA ANGÉLICA
Title: Memory aware co-execution in heterogeneous systems with CPU and FPGA devices.

Session IV: Numerical Methods for Solving Nonlinear Problems
Wednesday 29: 9:50 – 13:30  Room 1
Chair J.R. Torregrosa

Speaker: TORREGROSA, JUAN RAMON
Title: A general class of arbitrary order iterative methods for computing generalized inverses

Speaker: CORDERO, ALICIA
Title: Stability anomalies of high-order iterative methods for solving nonlinear problems
Speaker: MAGREÑAN, ALBERTO

Title: On global convergence for an efficient third-order iterative process
Speaker: MARTINEZ, SILVIA

Title: Iterative schemes for the Chandrasekhar H-equation
Speaker: MAGREÑAN, ALBERTO

Title: Ball convergence for a novel fourth order method for solving systems of equations
Speaker: ROMERO, NATALIA

Title: A Predictor-Corrector Iterative Scheme for Solving Algebraic Riccati Equations
Speaker: RUFAI, MUFUTAU

Title: Solution of third order boundary value problems by using a two-step hybrid block method with fourth derivatives

Session P2: Poster Session
Wednesday 29: 16:00 – 17:00 Room 1 (punctuality is requested at 16:00)
Chair: Peter Alonso

Speaker: ALONSO, PEDRO
Title: Almost strictly sign regular rectangular matrices

Speaker: LOPEZ ORTI, JOSE ANTONIO
Title: An improved C++ Poisson Series Processor with its applications

Speaker: NAVASCUES, MARIA A.
Title: Cyclic generalized iterated function system

Speaker: SUAREZ, PEDRO
Title: Using the blow-up technique for a modified Lindemann mechanism

Speaker: IBAÑEZ, MARÍA JOSÉ
Title: An enhanced numerical technique to extract the series resistance in resistive switching memristors for compact modeling purposes

Social activities: Wednesday 29 (Night): Flamenco, (gardens of “Bloque 4”)

Session V: Numerical Analysis & Mathematical Modelling
Thursday 30: 9:50 – 13:30 Room 1
Chair D. Barrera

Speaker: BARRERA, DOMINGO
Title: A novel B-spline basis for a family of many-knot spline spaces

Speaker: MACIAS, JORGE
Title: Dispersive tsunami simulations on spherical coordinates
Speaker: CARRIEGOS, MIGUEL

Title: New results on system regulation and some applications to proactive cybersecurity
Speaker: MIANA, PEDRO J.

Title: The heat equation on Z: large time behavior, moments and decayment
Speaker: CEBALLOS, MANUEL

Title: Graphs associated with finite-dimensional Zinbiel algebras
Speaker: DE LA ROSA, RAFAEL

Title: Symmetries and conservation laws for the completely generalized Hirota-Satsuma-Ito
Speaker: GARRIDO, TAMARA

Title: Symmetry reductions of a (2+1)-dimensional Keller-Segel model
Speaker: BRUZON, M. CARMEN

Title: Travelling wave solutions for a Zakharov–Kuznetsov modified equal width equation
Speaker: GARRIDO, TAMARA

Session VI: Evolution of CMM journal & CMMSE 2021 Conference
Friday 31: 10:00 – 12:30 Room 1
Chair Peter Alonso

Proposal of sessions to cmmse@usal.es
Proposal of new editors and special issues editors to jvigo@usal.es

Deadline: 29 July 2020