SIMPLIFIED PROGRAM

MONDAY 23 November	TUESDAY 24 November	WEDNESDAY 25 November
	TALKS	TALKS
	LUNCH	LUNCH
	TALKS	
WELCOME RECEPTION	CONFERENCE DINNER	

DETAILED PROGRAM

MONDAY – 23 NOVEMBER

20:00 – Welcome Reception at *Los Girasoles*

TUESDAY – 24 NOVEMBER

9:00-9:20 – Registration

9:20-9:30 – Opening of the Conference

MODELLING SESSION:

9:30-10:20 – Iuliu Sorin Pop: Upscaling of mathematical models defined in time dependent geometries

10:20-10:50 – Coffee break

10:50-11:40 – José Manuel García Aznar: Finite element modeling of porous media in mechanobiology: from bone to cell mechanics

11:40-12:30 – Anna Scotti: The interplay of flow, chemistry and compaction in sedimentary basins

12:30-12:55 – Xiulei Cao: Two phase flow in porous media with dynamic effects in the capillary pressure: finite volume analysis

13:15-15:15 – Lunch

SOLVERS SESSION:

15:15-16:05 – Petr Vabishchevich: Decoupling technique in poroelasticity problems

16: 05-16:30 – Andrés Arrarás: Multipoint flux splitting methods for time-dependent Darcy flow

16:30-16:55 –Manuel Borregales: Convergence of iterative coupling for non-linear Biot's model

16:55-17:20 – Peiyao Luo: On an Uzawa Smoother in Multigrid for Poroelasticity Equations

20:15 – Conference Dinner

WEDNESDAY – 25 NOVEMBER

DISCRETIZATION SESSION:

9:00-9:50 – Ludmil Zikatanov: Monotonicity properties of some finite element discretizations of the linear Biot's model in poroelasticity

9:50-10:15 – Martin Stynes: Analysis of a finite difference method for a time-fractional advection-diffusion equation

10:15-10:45 – Coffee break

10:45-11:35 – Xiaozhe Hu: Convergence Analysis of Finite Element Discretizations for Biot's Equations

11:35-12:25 – Markus Bause: Towards Poroelasticity: Variational Space-Time Methods for Elastic Waves and Single-Phase Flow

13:00 – Lunch