

**Arithmetic, Groups and Analysis (AGRA) IV – Part II**  
**20 - 25<sup>th</sup> June, 2022**  
**Preliminary Schedule**

**Program**

Time (BRT)	Monday, 20	Tuesday, 21	Wednesday, 22	Thursday, 23	Friday, 24
09:00 - 10:00	<b>Mini-course 1: Interactions between ergodic theory and number theory</b> Joel Moreira (Warwick), Sebastián Donoso (Univ. de Chile)	<b>Mini-course 1: Interactions between ergodic theory and number theory</b> Joel Moreira (Warwick), Sebastián Donoso (Univ. de Chile)	<b>Mini-course 1: Interactions between ergodic theory and number theory</b> Joel Moreira (Warwick), Sebastián Donoso (Univ. de Chile)	<b>Mini-course 1: Interactions between ergodic theory and number theory</b> Joel Moreira (Warwick), Sebastián Donoso (Univ. de Chile)	<b>Mini-course 1: Interactions between ergodic theory and number theory</b> Joel Moreira (Warwick), Sebastián Donoso (Univ. de Chile)
10:00 - 10:30	<b>Break</b>				
10:30 - 11:30	<b>Mini-course 2: Applications of homology and cohomology in group theory</b> Lev Glebsky (Univ Autónoma de San Luis Potosí), Dessislava Kochloukova (Unicamp)	<b>Mini-course 2: Applications of homology and cohomology in group theory</b> Lev Glebsky (Univ Autónoma de San Luis Potosí), Dessislava Kochloukova (Unicamp)	<b>Mini-course 2: Applications of homology and cohomology in group theory</b> Lev Glebsky (Univ Autónoma de San Luis Potosí), Dessislava Kochloukova (Unicamp)	<b>Mini-course 2: Applications of homology and cohomology in group theory</b> Lev Glebsky (Univ Autónoma de San Luis Potosí), Dessislava Kochloukova (Unicamp)	<b>Mini-course 2: Applications of homology and cohomology in group theory</b> Lev Glebsky (Univ Autónoma de San Luis Potosí), Dessislava Kochloukova (Unicamp)
11:30 - 12:30	<b>Mini-course 3: Expansion, divisibility and parity: a walk on numbers and graphs</b> Harald Helfgott (Univ. Göttingen/ CNRS), Adrián Ubis (UAM)	<b>Mini-course 3: Expansion, divisibility and parity: a walk on numbers and graphs</b> Harald Helfgott (Univ. Göttingen/ CNRS), Adrián Ubis (UAM)	<b>Mini-course 3: Expansion, divisibility and parity: a walk on numbers and graphs</b> Harald Helfgott (Univ. Göttingen/ CNRS), Adrián Ubis (UAM)	<b>Mini-course 3: Expansion, divisibility and parity: a walk on numbers and graphs</b> Harald Helfgott (Univ. Göttingen/ CNRS), Adrián Ubis (UAM)	<b>Mini-course 3: Expansion, divisibility and parity: a walk on numbers and graphs</b> Harald Helfgott (Univ. Göttingen/ CNRS), Adrián Ubis (UAM)
12:30 - 14:00	<b>Lunch</b>				
14:00 - 15:00	<b>Mini-course 4: Arithmetic groups and homogeneous dynamics</b> Sebastian Hurtado-Salazar (Univ. Chicago), Plinio Pino (UFF)	<b>Mini-course 4: Arithmetic groups and homogeneous dynamics</b> Sebastian Hurtado-Salazar (Univ. Chicago), Plinio Pino (UFF)	<b>Mini-course 4: Arithmetic groups and homogeneous dynamics</b> Sebastian Hurtado-Salazar (Univ. Chicago), Plinio Pino (UFF)	<b>Mini-course 4: Arithmetic groups and homogeneous dynamics</b> Sebastian Hurtado-Salazar (Univ. Chicago), Plinio Pino (UFF)	<b>Mini-course 4: Arithmetic groups and homogeneous dynamics</b> Sebastian Hurtado-Salazar (Univ. Chicago), Plinio Pino (UFF)
15:00 - 15:30	<b>Break</b>				
15:30 - 16:30	<b>Mini-course 5: Mori dream surfaces</b> Michela Artebani (Univ. de Concepción) Antonio Laface (Univ. de Concepción)	<b>Mini-course 5: Mori dream surfaces</b> Michela Artebani (Univ. de Concepción) Antonio Laface (Univ. de Concepción)	<b>Mini-course 5: Mori dream surfaces</b> Michela Artebani (Univ. de Concepción) Antonio Laface (Univ. de Concepción)	<b>Mini-course 5: Mori dream surfaces</b> Michela Artebani (Univ. de Concepción) Antonio Laface (Univ. de Concepción)	<b>Mini-course 5: Mori dream surfaces</b> Michela Artebani (Univ. de Concepción) Antonio Laface (Univ. de Concepción)
17:00 - 19:00	<b>Tutorial</b>	<b>Tutorial</b>	<b>Tutorial</b>	<b>Tutorial</b>	<b>Tutorial</b>
19:30 - 21:30	<b>Dinner</b>				