

# General Relativity from AMplitudes Alliance (GRAMPA)

Monday 22 – Thursday 25 January 2024

*The programme is subject to change. All times are GMT.*

MONDAY 22 JANUARY 2024	
09.00 - 09.50	Registration and Refreshments
09.50 - 10.00	Welcome and Housekeeping
10.00 - 11.00	<b>Lecture 1 - Anton Ilderton</b> , University of Edinburgh <i>Strong-field and non-perturbative Amplitudes</i>
11.00 - 11.30	Refreshments
11.30 - 12.30	<b>Lecture 2 - Anton Ilderton</b> , University of Edinburgh <i>Strong-field and non-perturbative Amplitudes</i>
12.30 - 13.00	Tutorial
13.00 - 15.00	Lunch
15.00 - 15.30	<b>Talk 1 - Lucile Cangemi</b> , Uppsala University <i>General spin Compton amplitudes for Kerr black holes</i>
15.30 - 16.00	<b>Talk 2 - Vojtech Witzany</b> , Charles University, Prague <i>Motion of spinning test particles in black hole space-times</i>
16.00 - 16.30	Refreshments
16.30 - 17.00	Discussion - Spin
17.00 - 18.00	Welcome Reception, hosted at ICMS

TUESDAY 23 JANUARY 2024	
10.00 - 11.00	<b>Lecture 1 - Anton Ilderton</b> , University of Edinburgh <i>Strong-field and non-perturbative Amplitudes</i>
11.00 - 11.30	Refreshments
11.30 - 12.30	<b>Lecture 2 - Anton Ilderton</b> , University of Edinburgh <i>Strong-field and non-perturbative Amplitudes</i>
12.30 - 13.00	Tutorial
13.00 - 15.00	Lunch
15.00 - 15.30	<b>Talk 1 - Riccardo Gonzo</b> , University of Edinburgh <i>Gravitational bound waveforms from amplitudes</i>
15.30 - 16.00	<b>Talk 2 - Ingrid Vazquez-Holm</b> , Nordic Institute for Theoretical Physics <i>Radiation</i>
16.00 - 16.30	Refreshments
16.30 - 17.00	Discussion - Radiation

WEDNESDAY 24 JANUARY 2024	
10.00 - 11.00	<b>Lecture 1 - Tanja Hinderer</b> , Utrecht University <i>Analytical methods in GR</i>
11.00 - 11.30	Refreshments
11.30 - 12.30	<b>Lecture 2 - Tanja Hinderer</b> , Utrecht University <i>Analytical methods in GR</i>
12.30 - 13.00	Tutorial

13.00 - 15.00	Lunch
15.00 - 15.30	<b>Talk 1 - Mariana Carrillo Gonzalez</b> , Imperial College London <i>Causality Bounds on EFTs</i>
15.30 - 16.00	<b>Talk 2 - Silvia Nagy</b> , Durham University <i>From gauge theory to gravity on curved backgrounds</i>
16.00 - 16.30	Refreshments
16.30 - 17.00	Discussion – Double Copy
19.00 onwards	<b>Workshop Dinner, hosted at Blonde Restaurant</b>

THURSDAY 25 JANUARY 2024	
10.00 – 11.00	<b>Lecture 1 - Tanja Hinderer</b> , Utrecht University <i>Analytical methods in GR</i>
11.00 - 11.30	Refreshments
11.30 - 12.30	<b>Lecture 2 - Tanja Hinderer</b> , Utrecht University <i>Analytical methods in GR</i>
12.30 - 13.00	Tutorial
13.00 - 15.00	Lunch
15.00 - 15.30	<b>Talk 1 - William Lindved</b> , University of Edinburgh <i>Electromagnetic Horizons</i>
15.30 - 16.00	<b>Talk 2 - Sonja Klisch</b> , University of Edinburgh <i>On-shell approaches to self-force</i>
16.00 - 16.30	Refreshments
16.30 – 17.00	Discussion – Self-Force