



University of Glasgow Science and Technology Facilities Council UK Astronomy Technology Centre

# LISA SYMPOSIUM XIV

Virtual Conference

25th - 29th July 2022

## Schedule Overview and Programme of Plenary Talks

Date		Time (CEST)	YouTube livestream:	<a href="https://youtu.be/N5Th7VrCKTY">https://youtu.be/N5Th7VrCKTY</a>
<b>Mon 25/7</b>	Block 1	1045 - 1100	Opening and welcome	
		1100 - 1200	Overview of Current LISA Status	Martin Hewitson (Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics), Oliver Jennrich (ESA/ESTEC), Linda Mondin (ESA/ESTEC)
		1200 - 1215	Short Break	
		1215 - 1255	Electromagnetic Signatures of LISA Massive Black Hole Binary Coalescences	Monica Colpi (Universita degli Studi di Milano Bicocca)
		1255 - 1335	Time-Delay Interferometry for LISA	Jean-Baptiste Bayle (University of Glasgow and JPL, Caltech)
<b>Mon 25/7</b>	Block 2	1500 - 1520	Building New Tools for Gravitational-Wave Astronomy (Braccini Thesis Prize Presentation)	Kaze Wong (Flatiron Institute)
		1520 - 1555	Observations of Massive Black Holes	Jessie Runnoe (Vanderbilt University)
		1555 - 1610	Short Break	
		1610 - 1650	LISA Ultra-Compact Binaries	Silvia Toonen (Universiteit von Amsterdam)
		1650 - 1740	The LISA Global Fit	Tyson Littenberg (NASA MSFC)
	Block 2a	1745 - 1930	LISA Data Challenge Workshop. Open workshop organised by the LISA Consortium; all welcome	<a href="#">Workshop event page</a>
<b>Tue 26/7</b>	Block 3	1500 - 1530	The LISA Gravitational Reference System	Daniele Vetrugno (Universita di Trento)
		1530 - 1600	LISA Optical Benches	Ewan Fitzsimons (UK ATC)
		1600 - 1615	Short Break	
		1615 - 1645	LISA Telescope Manufacturing and Testing Plans	Jeff Livas (NASA GSFC)
		1645 - 1715	Testing the LISA Instrument at System Level	Hubert Halloin (Université Paris Cité, APC, Paris)
		1715 - 1730	LINCS: LISA Internal Networking Committee for Science	David Weir (University of Helsinki)
<b>Tue 26/7</b>	Block 4	2000 - 2235	<b>Parallel Sessions - Group 1</b>	<b>YouTube livestreams:</b>
			Room A - LISA Instrumentation (Session 1 of 3)	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>
			Room B - Astrophysics with LISA (Session 1 of 2)	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>
			Room C - LISA Data Analysis (Session 1 of 3)	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaaj0T80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaaj0T80yF8Q</a>
			Room D - Compact Object Binaries	<a href="https://www.youtube.com/channel/UCxWI4cFmfpLMZyk7Nri95zQ">https://www.youtube.com/channel/UCxWI4cFmfpLMZyk7Nri95zQ</a>
<b>Wed 27/7</b>	Block 5	1100 - 1140	The James Webb Space Telescope	Gillian Wright (UK ATC)
		1140 - 1220	Astronomy and the Climate Crisis: Are We Part of the Problem or Part of the Solution?	Victoria Grinberg (ESA)
		1220 - 1235	Short Break	
		1235 - 1315	Stochastic Gravitational-Wave Signals in the LISA Band	Nikos Karnesis (Aristotle University of Thessaloniki)
		1315 - 1330	LISA Early Career Scientists - Overview and Updates	Martina Muratore (Universita di Trento)
<b>Wed 27/7</b>	Block 6	1500 - 1735	<b>Parallel Sessions - Group 2</b>	<b>YouTube livestreams:</b>
			Room A - LISA Instrumentation (Session 2 of 3)	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>
			Room B - Cosmology with LISA	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>
			Room C - LISA Data Analysis (Session 2 of 3)	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaaj0T80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaaj0T80yF8Q</a>
	Block 6a	1745 - 1930	LISA Data Challenge Workshop. Open workshop organised by the LISA Consortium; all welcome	<a href="#">Workshop event page</a>

LISA Symposium XIV - Schedule

Date		Time (CEST)	Parallel Sessions - Group 3	YouTube livestreams:
Thu 28/7	Block 7	1500 - 1735	Room A - LISA Instrumentation (Session 3 of 3)	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>
			Room B - Astrophysics with LISA (Session 2 of 2)	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>
			Room C - LISA Data Analysis (Session 3 of 3)	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaaJ0T80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaaJ0T80yF8Q</a>
			Room D - Extreme Mass Ratio Inspirals	<a href="https://www.youtube.com/channel/UCxWl4cFmfpLMZyk7Nri95zQ">https://www.youtube.com/channel/UCxWl4cFmfpLMZyk7Nri95zQ</a>
Thu 28/7	Block 8	Time (CEST)	YouTube livestream:	<a href="https://youtu.be/8jtz4GCIRZI">https://youtu.be/8jtz4GCIRZI</a>
Session Chair: David Shoemaker		2000 - 2040	Animating the Science: Human Challenges in Large Astronomy Projects and Collaborations	Kate Daniel (University of Arizona)
		2040 - 2055	LISA Consortium DEI update	Alberto Sesana (Universita degli Studi di Milano Bicocca), Joey Key (University of Washington Bothell)
		2055 - 2135	2022: A LISA Odyssey. Some Personal Reflections	Tuck Stebbins (University of Colorado), Bernard Schutz (Cardiff University)
		2135 - 2150	Short Break	
		2150 - 2230	Public Gravitational Wave Data: the Last Mile	Jonah Kanner (California Institute of Technology)
Date		Time (CEST)	Parallel Sessions - Group 4	YouTube livestream:
Fri 29/7	Block 9	1100 - 1335	Room A - Beyond LISA	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>
			Room B - Multi-Messenger Astrophysics & SMBHs	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>
			Room C - Fundamental Physics and Waveforms	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaaJ0T80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaaJ0T80yF8Q</a>
Fri 29/7	Block 10	Time (CEST)	YouTube livestream:	<a href="https://youtu.be/xQjo1FaPspo">https://youtu.be/xQjo1FaPspo</a>
Session Chair: Martin Hendry		1500 - 1540	The Event Horizon Telescope	Feryal Ozel (University of Arizona)
		1540 - 1620	Waveforms for LISA and 3G Ground-Based Detectors	Deirdre Shoemaker (University of Texas at Austin)
		1620 - 1635	Short Break	
		1635 - 1735	Beyond LISA: Voyage 2050 panel	Chair: John Conklin (University of Florida, Gainesville). Panellists: Christopher Berry (University of Glasgow), Vitor Cardoso (IST, Lisbon), Irina Dvorkin (IAP, Paris), Natalia Korsakova (APC, Paris), Alessandra Buonanno (AEI, Potsdam)
		1735 - 1800	Closing remarks	Karsten Danzmann (AEI Hannover)

# LISA Symposium XIV - Parallel Sessions

## Parallel Sessions Group 1: Tuesday 26th July 2000 - 2235 CEST

Room A	Room B	Room C	Room D
<p><a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a></p> <p><b>LISA Instrumentation (Session 1 of 3)</b> Session Chair: Rita Dolesi</p> <p>Time (CEST)   Presentation</p> <p>2000 - 2020 <b>Tilt-To-Length Coupling in LISA Pathfinder: Data Analysis and Lessons Learned for LISA</b>  Marie-Sophie HARTIG Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics</p> <p>2020 - 2040 <b>Post-Processing Subtraction of Tilt-To-Length Noise in LISA</b> Sarah PACZKOWSKI Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics</p> <p>2040 - 2100 <b>Using Fisher Matrices to Constrain Tilt-to-length Coefficients Within TDI</b>  Daniel GEORGE University of Florida, Gainesville</p> <p>2100 - 2115 <b>Tea and Coffee Break</b></p> <p>2115 - 2135 <b>Optical Couplers for LISA</b>  David ROBERTSON University of Glasgow</p> <p>2135 - 2155 <b>Measuring Differential Acceleration Onboard LISA Spacecraft: Application to DFACS Optimization and Acceleration Noise Estimate</b>  Henri INCHAUSPE Heidelberg University</p> <p>2155 - 2215 <b>Active Beam Pointing Control for LISA via Interferometric Angle Measurement</b>  Nils Frederik HASSELMANN Airbus DS GmbH</p> <p>2215 - 2235</p>	<p><a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a></p> <p><b>Astrophysics with LISA (Session 1 of 2)</b> Session Chair: Ira Thorpe</p> <p>Time (CEST)   Presentation</p> <p>2000 - 2020 <b>Sky Localisation of Massive Black Hole Mergers with LISA</b>  Sylvain MARSAT L2IT, Toulouse</p> <p>2020 - 2040 <b>Finding Unknown Black Holes Using EMRI and IMRI Detections in LISA</b> Chinmay GANDEVIKAR BITS Pilani, KK Birla Goa Campus</p> <p>2040 - 2100 <b>Premierer Localisation of Intermediate Mass Binary Black Holes in LISA and Astrophysical Implications</b>  Sajad Ahmad BHAT Chennai Mathematical Institute</p> <p>2100 - 2115 <b>Tea and Coffee Break</b></p> <p>2115 - 2135 <b>CANCELLED The Hierarchical Assembly of Galaxies and Black Holes in the First Billion Years: Predictions for the Era of Gravitational-wave Astronomy</b> <b>CANCELLED</b> Pratika DAYAL Kapteyn Astronomical Institute</p> <p>2135 - 2155 <b>Bayesian Parameter Estimation on a Population of Massive Black-hole Binaries Using an Inspiral-merger-ringdown Waveform Model with Higher Harmonics</b> Roberto COTESTA Johns Hopkins University</p> <p>2155 - 2215 <b>LEGWORK: A Python Package for Computing the Evolution and Detectability of Stellar-origin Gravitational-wave Sources with Space-based Detectors</b> Tom WAGG University of Washington, Seattle</p> <p>2215 - 2235</p>	<p><a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q</a></p> <p><b>LISA Data Analysis (Session 1 of 3)</b> Session Chair: Martin Hendry</p> <p>Time (CEST)   Presentation</p> <p>2000 - 2020 <b>Global Fit: Find, Remove, Iterate, Enjoy</b>  Stanislav BABAK APC/CNRS, Paris</p> <p>2020 - 2040 <b>A New GPU-accelerated Global Fitting Algorithm for LISA Data Analysis</b> Michael KATZ Albert Einstein Institute, Potsdam</p> <p>2040 - 2100 <b>Enhancing the Performance of Multiparameter Tests of General Relativity with LISA Using Principal Component Analysis</b> Sayantani DATTA Chennai Mathematical Institute</p> <p>2100 - 2115 <b>Tea and Coffee Break</b></p> <p>2115 - 2135 <b>Unmixing LISA Gravitational Signals Using Adapted Representation Models</b>  Elie LEROY CEA, Saclay</p> <p>2135 - 2155 <b>Accelerating Parameter Estimation of Galactic Binaries in the Full LISA Frequency Band Using Gaussian Process Regression</b>  Stefan STRUB ETH Zurich</p> <p>2155 - 2215</p> <p>2215 - 2235</p>	<p><a href="https://www.youtube.com/channel/UCxWl4cFmfLMZyk7Nri95zQ">https://www.youtube.com/channel/UCxWl4cFmfLMZyk7Nri95zQ</a></p> <p><b>Compact Object Binaries</b> Session Chair: Quynh Lan Nguyen</p> <p>Time (CEST)   Presentation</p> <p>2000 - 2020 <b>Gravitational-wave Sources in our Galactic Backyard: Predictions for BHBH, BHNS and NSNS Binaries Detectable with LISA</b> Tom WAGG University of Washington, Seattle</p> <p>2020 - 2040 <b>Detecting the Environment of Stellar-origin Black Hole Binaries</b> Laura SBERNA Albert Einstein Institute, Potsdam</p> <p>2040 - 2100 <b>SOBBH with LISA: Forecasts on Background Detectability and the Number of Observable Events in the Light of LIGO/Virgo/Kagra GWTC-3</b> Jesus TORRADO Université Libre de Bruxelles</p> <p>2100 - 2115 <b>Tea and Coffee Break</b></p> <p>2115 - 2135 <b>Properties for Galactic Verification Binaries from Gaia DR3</b>  Thomas KUPFER Texas Tech University</p> <p>2135 - 2155 <b>The Large Magellanic Cloud from a New Perspective from LISA</b>  Valeriya KOROL University of Birmingham</p> <p>2155 - 2215 <b>Applying a Metallicity-dependent Binary Fraction to Double White Dwarf Formation: Implications for LISA</b>  Katelyn BREIVIK Flatiron Institute</p> <p>2215 - 2235</p>

## Parallel Sessions Group 2: Wednesday 27th July 1500 - 1735 CEST

Room A	Room B	Room C
<p><a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a></p> <p><b>LISA Instrumentation (Session 2 of 3)</b> Session Chair: David Robertson</p> <p>Time (CEST)   Presentation</p> <p>1500 - 1520 <b>LISA Data Processing L0-L1</b>  Sweta SHAH Max Planck Institute for Gravitational Physics (Albert Einstein Institute)</p> <p>1520 - 1540 <b>Development of the US LISA Laser System</b>  Kenji NUMATA NASA Goddard Space Flight Center</p> <p>1540 - 1600 <b>Experimental Verification of Intersatellite Clock Synchronization at LISA Performance Levels</b> Kohei YAMAMOTO Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics</p> <p>1600 - 1615 <b>Tea and Coffee Break</b></p> <p>1615 - 1635 <b>Towards a Flight Phasemeter: an Analog and Digital Signal Chain Demonstrator</b>  Thomas S. SCHWARZE Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics</p> <p>1635 - 1655 <b>Engineering Model of the Extended Phase Measurement Sub-system (ePMS) in LISA</b> Juan Jose Esteban DELGADO Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics</p> <p>1655 - 1715 <b>Assessing the Impact of Orbit Approximations Using a GPU-accelerated Response Model</b> Jean-Baptiste BAYLE University of Glasgow and JPL, Caltech</p> <p>1715 - 1735</p>	<p><a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a></p> <p><b>Cosmology with LISA</b> Session Chair: Nicola Tamanini</p> <p>Time (CEST)   Presentation</p> <p>1500 - 1520 <b>Constraining Cosmology with LISA Standard Sirens and Information from Their Host Galaxies</b> Danny LAGHI L2IT-CNES</p> <p>1520 - 1540 <b>Unity Makes Strength: the Synergy Between Gravitational Waves and Galaxy Surveys in Constraining Cosmological Models</b> Anna BALAUDO Leiden Observatory</p> <p>1540 - 1600 <b>CANCELLED LISA-Tajji Sensitivity to an Anisotropic Stochastic Gravitational-wave Background</b> <b>CANCELLED</b> Zehau SONG Dartmouth College</p> <p>1600 - 1615 <b>Tea and Coffee Break</b></p> <p>1615 - 1635 <b>Characterising the Gravitational-wave Power Spectrum from Early Universe Phase Transitions</b> Mark HINDMARSH University of Helsinki and University of Sussex</p> <p>1635 - 1655 <b>The SGWB Produced by MHD Turbulence from Cosmological Phase Transitions</b> Alberto ROPER POL APC, Paris</p> <p>1655 - 1715</p> <p>1715 - 1735</p>	<p><a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q</a></p> <p><b>LISA Data Analysis (Session 2 of 3)</b> Session Chair: Antoine Petiteau</p> <p>Time (CEST)   Presentation</p> <p>1500 - 1520 <b>A Needle in an Open Field? Reimagining Coherent Gravitational-wave Search</b>  Alvin CHUA California Institute of Technology</p> <p>1520 - 1540 <b>Detectability and Parameter Estimation of GWTC-3 Events with LISA</b>  Alexandre TOUBIANA Albert Einstein Institute, Potsdam</p> <p>1540 - 1600 <b>A Search for Massive Black Hole Binaries with PyCBC</b>  Connor WEAVING ICG, University of Portsmouth</p> <p>1600 - 1615 <b>Tea and Coffee Break</b></p> <p>1615 - 1635 <b>Detecting Primordial Stochastic Gravitational-wave Backgrounds with LISA Using Bayesian Inference</b> Robert ROSATI NASA Marshall Space Flight Center</p> <p>1635 - 1655 <b>Finding Stochastic Backgrounds of Gravitational Waves in Unknown Color Noise</b> Quentin BAGHI CEA, Saclay</p> <p>1655 - 1715 <b>Fast Parameter Estimation for Massive Black Hole Binaries with Normalising Flows</b> Natalia KORSKOVA APC, Paris</p> <p>1715 - 1735</p>

# LISA Symposium XIV - Parallel Sessions

## Parallel Sessions Group 3: Thursday 28th July 1500 - 1735 CEST

Room A	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>	Room B	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>	Room C	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q</a>	Room D	<a href="https://www.youtube.com/channel/UCxWl4cFmfLMZyK7Nri95zQ">https://www.youtube.com/channel/UCxWl4cFmfLMZyK7Nri95zQ</a>
<b>LISA Instrumentation (Session 3 of 3)</b> Session Chair: Stefano Vitale		<b>Astrophysics with LISA (Session 2 of 2)</b> Session Chair: Gijs Nelemans		<b>LISA Data Analysis (Session 3 of 3)</b> Session Chair: Sweta Shah		<b>Extreme Mass Ratio Inspirals</b> Session Chair: Jon Gair	
Time (CEST) Presentation		Time (CEST) Presentation		Time (CEST) Presentation		Time (CEST) Presentation	
1500 - 1520 <b>First Performance Measurements in the Three-Backlink Experiment</b>  Lea BISCHOF Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics		1500 - 1520 <b>Ultra-short-period MBH Binary Candidates in LSST as LISA 'Verification Binaries'</b> Chengcheng XIN Columbia University		1500 - 1520 <b>On the Effectiveness of Null TDI Channels as Instrument Noise Monitors in LISA</b> Martina MURATORE Università di Trento		1500 - 1520 <b>Love and EMRIs in SPA</b>  Gabriel Andres PIOVANO Università di Roma La Sapienza	
1520 - 1540 <b>Bridging the Gap Between Pre-launch Simulations and Measurements of the Test-mass Effective Charging with LPF for LISA</b> Mattia VILLANI Urbino University and INFN, Florence		1520 - 1540 <b>Determining the Individual Masses of Accreting White Dwarf Binaries</b>  Sophia Yi University of Virginia, Charlottesville		1520 - 1540 <b>Time Delay Interferometry Without Clock Synchronisation</b>  Olaf HARTWIG UPMC, Observatoire de Paris and Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics		1520 - 1540 <b>Extreme Mass Ratio Inspirals Triggered by Massive Black Hole Binaries: From Relativistic Dynamics to Cosmological Rates</b> Matteo BONETTI Università degli studi di Milano-Bicocca	
1540 - 1600 <b>Measurement of Stray Electric Fields via Test Mass Charge Modulation</b>  Stephen APPLE University of Florida, Gainesville		1540 - 1600 <b>Effects of Dynamical Tides on Gravitational-wave Signals from Eccentric Double White Dwarf Systems</b> Shu Yan LAU University of Virginia, Charlottesville		1540 - 1600 <b>Blind Cancellation of Laser Noise for Space-based Gravitational-wave Detection</b> Quentin BAGHI CEA, Saclay		1540 - 1600 <b>Distortion of Gravitational-wave Signals by Astrophysical Environments</b>  Xian CHEN Peking University	
1600 - 1615 <b>Tea and Coffee Break</b>		1600 - 1615 <b>Tea and Coffee Break</b>		1600 - 1615 <b>Tea and Coffee Break</b>		1600 - 1615 <b>Tea and Coffee Break</b>	
1615 - 1635 <b>Simulating Micrometeoroid Impacts on the Primary Mirror of the LISA Telescope</b>  Corey AUSTIN NASA Goddard Space Flight Center		1615 - 1635 <b>Enhancing Gravitational-wave Population Inference with Deep Learning</b> Matthew MOULD University of Birmingham		1615 - 1635 <b>On the (Non)-Orthogonality of LISA TDI Variables</b>  Mauro PIERONI Imperial College London		1615 - 1635 <b>Gravitational Waveforms for Compact Binaries from Second-order Self-force Theory</b> Barry WARDELL University College Dublin	
1635 - 1655 <b>Dimensional Stability Verification of the LISA Telescope</b> Ada UMINSKA University of Florida, Gainesville		1635 - 1655 <b>Multiband Gravitational-wave Astronomy: Measuring Recoil Kicks</b> Shobhit RANJAN Delhi Technological University and Vanderbilt University		1635 - 1655 <b>Tone-assisted Time-delay Interferometric Ranging for LISA</b> Martin STAAB Leibniz Universität Hannover/Max Planck Institute for Gravitational Physics		1635 - 1655 <b>Tidally-induced Nonlinear Resonances in EMRIs with an Analogue Model</b> Leo STEIN University of Mississippi	
1655 - 1715 <b>Test Mass Acceleration Glitches in LISA Pathfinder: Properties and Possible Physical Origin</b> Lorenzo SALA Università di Trento		1655 - 1715 <b>Observability of Lensing of Gravitational Waves from Massive Black Hole Binaries with LISA</b> Mesut CALISKAN Johns Hopkins University		1655 - 1715 <b>Uncorrected Common-mode Delays Limit Laser Frequency Noise Suppression in TDI</b> Sam FRANCIS NASA, Jet Propulsion Laboratory		1655 - 1715 <b>Modelling Black Hole Binaries in the Intermediate-mass-ratio Regime</b>  Mekhi DHESI University of Southampton	
1715 - 1735		1715 - 1735 <b>Probing Black Hole Shadows via Electromagnetic Self-lensing Flares</b> Jordy DAVELAAR Columbia University and Flatiron Institute		1715 - 1735		1715 - 1735	

## Parallel Sessions Group 4: Friday 29th July 1100 - 1335 CEST

Room A	<a href="https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg">https://www.youtube.com/channel/UCWbOycn69OWZ3GrY1L8OyQg</a>	Room B	<a href="https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ">https://www.youtube.com/channel/UCSw1XF-NPGi2sN4Gpdq2LEQ</a>	Room C	<a href="https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q">https://www.youtube.com/channel/UCF_TRVgSYdDNaajOT80yF8Q</a>
<b>Beyond LISA</b> Session Chair: Gerhard Heinzl		<b>Multi-Messenger Astrophysics and SMBHs</b> Session Chair: Kiyamu Izumi		<b>Fundamental Physics and Waveforms</b> Session Chair: Sylvain Marsat	
Time (CEST) Presentation		Time (CEST) Presentation		Time (CEST) Presentation	
1100 - 1120 <b>On the Issue of LVK Visibility in the Scientific Literature</b>  Livia CONTI INFN, Padova		1100 - 1120 <b>Multi-messenger Synergies with LISA: Counterparts Prediction and Cosmological Prospects</b> Alberto MANGIAGLI APC, Paris		1100 - 1120 <b>Measuring the Propagation Speed of Gravitational Waves with LISA</b>  Anson CHEN Queen Mary University of London	
1120 - 1140 <b>The LIGO Magazine: Experiences from Behind the Scenes</b>  Hannah MIDDLETON and Anna GREEN University of Birmingham, University of Florida, Gainesville		1120 - 1140 <b>Tidal Disruption Events as a Way to Study Black Holes</b>  Martina TOSCANI CNRS/IN2P3, Toulouse		1120 - 1140 <b>Probing the Speed of Gravity with LISA, LIGO/Virgo/KAGRA, and Joint Observations</b> Johannes NOLLER ICG, University of Portsmouth	
1140 - 1200 <b>Cosmic Explorer: a Next-generation Ground-based Gravitational-wave Observatory</b> Paul FULDA University of Florida, Gainesville		1140 - 1200 <b>Gas, Stars and Gravitational Waves: on the Main Driver of Massive Black Hole Binaries Path to Coalescence</b> Elisa BORTOLAS Università degli studi di Milano-Bicocca		1140 - 1200 <b>On the Detectability of Modes with LISA</b>  Chantal PITTE CEA-Saclay/lrfu/DPhP, Paris	
1200 - 1215 <b>Tea and Coffee break</b>		1200 - 1215 <b>Tea and Coffee break</b>		1200 - 1215 <b>Tea and Coffee break</b>	
1215 - 1235 <b>The TianQin Project and its Progress</b>  Jun LUO Sun Yat-Sen University		1215 - 1235 <b>Handy Massive Black Hole Merger Timescale Scaling Relations for Sub-grid Models</b> Kelly HOLLEY-BOCKELMANN Vanderbilt University and Fisk University		1215 - 1235 <b>High Precision Multimode Ringdown Fitting</b>  Lorena MAGANA ZERTUCHE University of Mississippi	
1235 - 1255 <b>An Introduction to the Taiji Program and its Recent Progress</b>  Ziren LUO Taiji Scientific Collaboration		1235 - 1255 <b>The Bardeen-Peterson Effect and its Consequences for LISA Observations of Supermassive Black-hole Binary Spin Orientations</b> Nathan STEINLE University of Birmingham		1235 - 1255 <b>Supermassive Boson Stars as LISA Targets: Constraining Multipole Moments and Scalar Interactions</b>  Massimo VAGLIO Università di Roma La Sapienza	
1255 - 1315 <b>LISAmax: Lowering the Gravitational-wave Sensitivity Band by Two Orders of Magnitude</b> Waldemar MARTENS ESOC / European Space Agency		1255 - 1315		1255 - 1315 <b>Projected Multiband Constraints on Dipolar Gravitational Radiation from Eccentric Binary Black Holes</b> Pankaj SAINI Chennai Mathematical Institute	
1315 - 1335 <b>Bridging the <math>\mu</math>Hz Gap in the Gravitational-wave Landscape with Binary Resonance</b> Alex JENKINS University College London		1315 - 1335		1315 - 1335 <b>Ionization of Gravitational Atoms</b>  Giovanni Maria TOMASELLI Universiteit van Amsterdam	