	Wednesday 13 October
08:30	Registration
09:45	opening
	Session 1 - Spin textures and spin transport
10:00	Hariom Jani (invited)
10.00	Antiferromagnetic oxide skyrmionics at room temperature
10:30	Jorrit Hortensius
10.30	Coherent spin-wave transport in an antiferromagnet
10:45	Matthias Opel
20.15	Magnonic Hanle effect and spin-Nernst effect in antiferromagnetic α -Fe2O3/Pt
11:00	Carlos Frontera
	Spin Hall magnetoresistance in La ₂ CoMnO ₆ /Pt bilayers: the prominent role of interfaces
11:15	coffee break
	Session 2 - Manipulation of magnetic properties
11:45	Manuel Bibes (invited)
	Ferroelectric control of Rashba states: towards non-volatile spintronics driven by ferroelectricity
12:15	Andrea Peralta
	Field effect control of symmetry breaking in SrIrO3 ultrathin layers
12:30	Md Shamim Sarker
12.45	Electrically tunable YIG magnon FET based on the ionic polymeric gate stack
12:45	lunch Ankit Disa (invited)
14:30	Photoinduced high-temperature ferromagnetism in YTiO3
	Matteo Cialone
15:00	Voltage-induced ON switching of magnetism in ordered array of nanoporous
25.00	iron oxide microdisks
	Lingfei Wang
15:15	Harnessing the interfacial magnetism of oxide heterostructures via oxygen vacancy engineering
	Session 3 - Superconductivity
15:30	Anand Bhattacharya (invited)
15:30	Superconductivity in KTaO3 interfaces
16:00	Nicolas Bergeal
10.00	Multi-condensate superconductivity in oxides interfaces
16:15	Gyanendra Singh
20.25	Gate-tunable unconventional superconductivity in 2D oxide interfaces nanodevices
16:30	Minu Kim
	Discovery of Superconductivity in (Ba,K)SbO3
16:45	coffee break
	Session 4 - Interfaces and heterostructures
17:15	Guillaume Marcaud
	Electronic structure of a 2DEG at the Fe/BaTiO3 interface
17:30	Vladimir N. Strocov
	Band-Order Anomaly at the γ-Al2O3/SrTiO3 Interface drives the electron mobility boost
17:45	Maria D'Antuono
	Tunable Ferromagnetic 2DEG nanodevices
18:00	Alessio Filippetti
	Doping-induced long-range ferromagnetism in oxide heterostructures
18:15	Thierry van Thiel Counting sharge and tanglegisch reconstructions at evide interfaces
	Coupling charge and topological reconstructions at oxide interfaces
18:30	Zhi Shiuh Lim Crossover between Topological to Karplus-Luttinger Hall Effects in SrPuOa-based beterestructures
19:00	Crossover between Topological to Karplus-Luttinger Hall Effects in SrRuO3-based heterostructures Welcome cocktail
19:00	weicome cocktail

Session 5 - MEMS and membranes Guus Rijnders (invited) Fabrication and properties of epitaxial ferroelectric and piezoelectric devices Laurence Mechin Suspended Laz/aSr1/sMnO3 bridges on siliton substrates for high-performance uncooled infrared bolometers Guillaume Agnus Cantilever magnetoelectric PZT/Tb - Fe-Co resonators for magnetic sensing applications Jutta Schwarzkopf Application of (K,Na)NDO3 thin films in surface acoustic wave sensors Pavlo Zubko Depolarization field-induced polarization flop and macroscopic curvature in free-standing PbTiO 3-5rTiO3 superlattices Alessia Sambri Strain engineering as a tool to fabricate PLD-grown conducting LaAlO3/SrTiO3 micro-membranes Shingo Genchi Characterization of Verway transition property in Fe3O4 thin films grown on transferable h-BN substrate coffee break Session 6 - Vanadates and Niobates Javier del Valle Length and time-scales of the voltage-triggered insulator-to-metal transition Josep Fontcuberta Electron-electrons correlations, electron-phonon coupling and plasmon excitation in metallic oxides Peter A. van Aken Strain-Driven Metal-to-Insulator Transition and Charge Ordering in LiV2O4 Stefan Guénon Imaging of electrothermal filament formation in a Mott insulator Aditya Sood Operando ultrafast electron diffraction reveals phase dynamics in vanadium dioxide switches Kei Takahashi Carrier doping effect in 2D Mott insulator SrVO3 ultra-thin films grown by gas source molecular beam epitaxy lunch Session 7 - Nickelates Harold Hwang (invited) Superconductivity in infinite! Jayer nickelates Claribel Dominguez Coupling of magnetic phases at nickelate interfaces Arturas Valilionis
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Arturas Vailionis
14:45 Unique strain state at the LaNiO ₃ /LaAlO ₃ (111) interface
Lucía Iglesias
15:00 First-principles study of electron and hole doping in perovskite nickelates
Jennifer Fowlie
15:15 Ultrathin toolbox: photon-based methods to probe structures towards the atomic scale
15:30 coffee break
16:00 Session 8 - Theoretical insight
Alex Zunger (invited)
The peculiarities of paraelastic, paramagnetic and paraelectric phases of cubic oxide perovskites explained as
consequences of polymorphous network
16:30 Alex Demkov
Theory of Electro Optic Effect in Thin Oxide Films
16:45 Wei Peng
Flexo-polar phase transition in a metal
17:15 Poster Session
19:00 Genova Hystorical center tour
20:30 Social Dinner

Friday 15 October		
08:00	Poster Session Poster Session	
10:00	light coffee break	
	Session 9 - Applications	
10:30	Anh Le Duc (invited)	
	Ambipolar control of high-mobility carriers at a wide-gap oxide interface and applications towards oxide-based electronics	
11:00	Mark Huijben	
	Enhanced battery cycling and rate capability by epitaxially matched conductive cubic TiO coating on LiCoO 2 cathode films	
11:15	Hai-Tian Zhang	
	Brain-machine interfaces utilizing ionic-electronic signal transduction in complex oxides	
11:30	Alejandro López Fernández	
	Electrolyte gated synaptic transistor based on ultra-thin Lao.7Sro.3MnO3	
11:45	Jochen Mannhart (invited)	
	Advancements for Oxide Electronics: Novel Film Growth Technology and Novel Quantum Electronics	
12:15	Felix V. E. Hensling	
	A high-performance epitaxial transparent oxide thin-film transistor fabricated at back-end-of-line temperature (< 450 °C) by	
	suboxide molecular-beam epitaxy	
	Jasnamol P. Palakkal	
12:30	Effect of stoichiometry on the optical and electronic properties of transparent conducting SrNbO3 grown by oxide molecular	
	beam epitaxy	
12:45	Fengmiao Li	
	The uniqueness of MBE-grown TiO in the series of 3d transition metal monoxides	
13:00	closing	
13:15	lunch	