Research Networking Programmes

Science Meeting – Scientific Report

Scientific report (one single document in WORD or PDF file) should be submitted online within two months of the event. It should not exceed seven A4 pages.

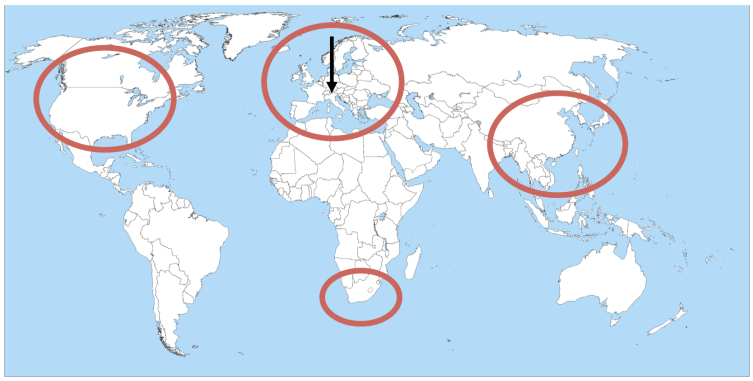
***Proposal Title**: The New Generation in strongly correlated electron systems, International Conference, 1-5 July 2013, Sestri Levante.*

Application Reference N°: 4882

1) Summary (up to one page)

The conference "The new generation in strongly correlated electron systems" (NGSCES2013) took place in Sestri Levante, July 1-5, 2013, and gathered around 100 scientist of age ~40 or less, coming from academic institutions worldwide.
A lively and friendly atmosphere, and great location and local organization have allowed for a very intense program of lectures, talks, poster sessions and discussions in a pleasant and young environment.
Invited speakers were chosen with a double criterion. Around half of them were already very visible young scientists in the international community of strongly correlated electron systems, and set a very high and attractive standard, placing the conference to the level of major events in the field (this being a unique initiative reserved to under-40 researchers).
The other half were chosen as emergent young researchers to which offering an international stage for their research, possibly still not visible enough.
Gender, geographical distribution, nationality, etc. criterions were applied among others in order to ensure the most diverse backgrounds and in order to try to represent the various communities working in the field around the world, and in Europe particularly.
The response in term of participation was great. Around 80 people from around the world applied and participated to the conference with oral contributions (27), poster (~40) or simple attendance.
The conference ended up welcoming researchers coming from more than 20 countries from all over the world:

Europe (Italy, Germany, France, Spain, Austria, UK, Portugal, Sweden, Netherlands, Poland, Czech Republic, Russia, Slovenia, Switzerland) , Asia (Korea, China, Japan), America (USA, Canada), South Africa



2) Description of the scientific content of and discussions at the event (up to four pages)

The focus of the conference was on the physics of Strongly correlated electron systems, intended in a broad fashion: from bulk materials with strong electronic correlations, both in and out of thermodynamic equilibrium, to the newly atomically engineered heterostructures of such materials, to quantum simulators of the many body physics realized in these systems realized with cold atoms in optical lattices.
The first sessions were dedicated to this last topic that, if somewhat aside from the main material-oriented fields, has been playing a major role in the community, given the strong parallel and deep theoretical insight that these clean systems can provide on the many-body physics that in materials has often to be disentangled from somewhat "parasite" issues such as disorder, materials defects and impurities, lattice dynamics. Most of the researchers with main interests in this subfield remained until the end of the conference, thus showing great interest in the condensed matter part of it, and implicitly validating the connection between the various subfields.
Then we gave space to the poster presenters by allowing for a flash advertisement of each one of the posters exposed in the evening poster session.

After one session on quantum magnetism, another somewhat side-domain but still very interconnected to the main theme of the conference, the subsequent sessions were dedicated to bulk materials, ranging from the recently discovered iron superconductors (3 sessions focused on this topic) to cuprates, the historically most prominent class of superconducting materials, to heavy-fermions.
Three other sessions were dedicated to the very lively area that we have broadly named of "engineered correlations" where, by constructing meta-materials through layer-by-layer deposition or contructing "quantum dots" or similar mesoscopic systems, many-body correlation effects between electrons can be tuned and explored by variation of additional external parameters, compared to bulk materials.
One special session gathered the theorists around the last contributions to the theoretical methods for strong electronic correlations, mainly centered around development of dynamical mean-field theory.
Finally three sessions were dedicated to the more and more prominent topic of the out-of equilibrium dynamics of strongly correlated electrons. Both experimental (pump-probe) techniques and results as well as theoretical modeling have been detailed and discussed.
All the sessions introducing the main topics were preceded by short introductions and overview of the topics by the chairpersons (chosen among some of the more experienced researchers) and by lectures held by the most representative invited speakers, covering the main basic aspects of the sub-field.

3) Assessment of the results and impact of the event on the future directions of the field (up to two pages)

As a balance of the many interactions and discussions between the participants, it is fair to say that all these topics were explored thoroughly both in the basics than in the latest developments, and that new collaborations have ensued from the many professional interactions fostered by a friendly atmosphere.

As the fourth edition of the successful series of NGSCES conferences, it clearly seems that the community is on a raising trend. This 2013 edition was the largest one thus far, and the response in term of registration of participants from all over the world was also triggered by the successful brand that this conference reserved to the emergent researchers now is. We feel that, given the enthousiastic feedback that we have received both during and after the conference, and both on the scientific content and on the pleasant, interaction-fostering environment, we have contributed to the further success of the brand.
Local press coverage by the Italian newspaper "Il Secolo XIX" testifies the resonance that we were able to obtain even outside the scientific community.

The contribution in terms of funds by the ESF was essential and researchers from all the European union have benefitted of this initiative.

The organization of the following edition of NGSCES (2014) has been also kicked-off in the closing of NGSCES2013, and following the tradition four new organizers have been named and are in charge of the next conference.

Future trends of the field have certainly been singled out in a broad way by the focus of the sessions (cold-atomic quantum simulators, engineered meta-materials, out-of-equilibrium probing of correlated systems) and by the strong interconnection and great attention by all the attendees to all the sessions.

CONVEGNO IN CORSO FINO A VENERDÌ

Fisica dello stato solido A Sestri 90 ricercatori

Scienziati da tutto il mondo all'Annunziata

SARA OLIVIERI

SESTRI LEVANTE. Sono circa novanta, provenienti da cinque continenti, i ricercatori in fisica dello stato solido che si sono dati appuntamento a Sestri Levante per la loro conferenza annuale. Quella in corso all'ex convento dell'Annunziata, che proseguirà fino al 5 luglio, è la quarta edizione del convegno dedicato ai più giovani scienziati del settore, tendenzialmente under 40, dedicata quest'anno ai superconduttori non convenzionali, alle proprietà di solidi artificiali costituiti da atomi freddi. «Il nostro compito principale è capire il meccanismo con cui un materiale diventa superconduttore» spiega Claudio Giannetti, ricercatore dell'università di Brescia, che ha organizzato il meeting insieme a Luca De'Medici de l'école Supérieure de Physique et de Chimie Industrielles di Parigi, Johannes Bauer dell'università di Harvard, supportati dall'università Cattolica del sacro cuore, la European science foundation, il progetto europeo FP7- Go fast, la Foundation P-G. De Gennes pour la recherche. Tra il centinaio di ricercatori che si riuniscono la mattina nei locali pubblici di Portobello, gestiti dalla fondazione Mediaterraneo, ci sono scienziati noti nel campo della fisica. Le nazionalità di provenienza dei partecipanti sono delle più varie: Corea, Sud Africa e Nord America, Europa, Cina, India e Giappone. «Gli italiani? Quelli che lavorano in italiana sono pochi – afferma Giannetti – ma se si contano gli italiani che lavorano all'estero allora il numero sale». Dopo la Spagna e la Slovenia, la scelta sul luogo che avrebbe ospitato la quarta conferenza annuale, dal titolo "The new generation in strongly corralated electron system" è caduta su Sestri Levante. Qui, affacciati sulla baia del Silenzio, Giannetti riferisce di aver trovato la giusta combinazione tra locali attrezzati per le lezioni, la vicinanza alle spiagge e ai servizi. «In queste conferenze cerchiamo di creare un clima amichevole, privo di barriere formali, che sappia stimolare le relazioni tra i ricercatori al di là del momento di studio – spiega -. Perciò una regola fissa è scegliere luoghi al mare. Sestri è perfetta perché le spiagge, i servizi, gli alberghi dove pernottiamo e le sale per la conferenza sono concentrati in un luogo raccolto. Anche altri colleghi hanno riconosciuto le potenzialità del posto e le terranno a mente per prossimi appuntamenti».

La Fondazione Mediaterraneo

LO STUDIO

Il compito: scoprire perché un dato materiale si trasforma in superconduttore

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4) Annexes 4a) and 4b): Programme of the meeting and full list of speakers and participants

Annex 4a: Programme of the meeting

	Sunday 30th June	Monday 1st July	Tuesday 2nd July	Wednesday 3rd July	Thursday 4th July	Friday 5th July
8.45		**Welcome speech**				
		COLD ATOMS	**CORRELATED MATERIALS**	**ENGINEERED CORRELATIONS**	**CORRELATED MATERIALS**	**NON-EQUILIBRIUM**
		Chair: Roberta Citro	**Chair: Massimo Capone**	**Chair: Andrey Mishchenko**	**Chair: Alessandro Toschi**	**Chair: Fabrizio Carbone**
09:00		Kollath (Lecture)	Eremin (Lecture)	Sangiovanni (Invited)	Gull (Invited)	Eckstein (Lecture)
09:30		Schneider (Invited)	*Xu*	Shen (Invited)	*Eberlein*	*Mansart*
10:00		*Lev Vidmar*	Brouet (Invited)	*Peters*	*Benfatto*	*Cilento*
10:30		Coffee Break	Coffee Break	Coffee Break	*Garcia-Garcia*	Coffee Break
		COLD ATOMS	**CORRELATED MATERIALS**	**ENGINEERED CORRELATIONS**	Coffee Break	**NON-EQUILIBRIUM**
		Chair: Roberta Citro	**Chair: Massimo Capone**	**Chair: T Domanski**		**Chair: Fabrizio Carbone**
11:00		Kollath (Invited)	Giovannetti (Invited)	Garcia-Barriocanal (Invited)	**SPECIAL METHOD SESSION**	Eckstein (Invited)
11:30		Fallani (Invited)	*Mirri*	*Quintela*	**Chair: Nils Bluemer**	Kaiser (Invited)
12:00		*Sotnikov*	*Fanfarillo*	*Koga*	*Ganal* *Granath*	*Andergassen*
12:30		Lunch and beach	Lunch and beach		*Rohringer* *Taranto* *Rost*	CLOSING
					Lunch	
		POSTER PRESENTATION	**CORRELATED MATERIALS**		**CORRELATED MATERIALS**	
		Chair: Organizers	**Chair: Lilia Boeri**		**Chair:**	
15:00		Poster	Eremin (Invited)		*Weng*	
15:30		flash	*Yamase*	**FREE EXCURSION**	*Kratichlova*	
16:00		presentations	Mravlje (Invited)	**TO CINQUE TERRE**	*Mitchell*	
16:30		Coffee Break	Coffee Break		Coffee Break	
		CORRELATED MATERIALS	**ENGINEERED CORRELATIONS**		**NON-EQUILIBRIUM**	
		Chair: Luca Tocchio	**Chair: Tae Won Noh**		**Chair: J Miller**	
17:00		Comin (Invited)	Shen (Lecture)		Kaiser (Lecture)	
17:30		*Orth*	Bergeal (Invited)		Fausti (Invited)	
18:00	**WELCOME**	*Ralko*	*Bareille*		*Rettig*	
18:30	**RECEPTION**	**POSTER SESSION - APERITIF**				
20:00			**CONFERENCE DINNER**	**MEETING AT VERNAZZA**		

Monday, July 1st

8:45-9:00 Opening

9:00 <u>Session 1: Correlation effects with Ultracold Atoms</u> (Chair: Roberta Citro)

9:00 – 9:30 *"Strong correlations in ultracold atomic gases" - Invited Lecture*
Corinna Kollath (University of Bonn, Germany)

9:30 – 10:00 *"Negative absolute temperatures for mobile particles" - Invited Talk*
Ulrich Schneider (Ludwig-Maximilian University, Munich, Germany)

10:00 – 10:30 "*Sudden expansion of interacting bosons in optical lattices: the role of integrability and dimensionality*"
Lev Vidmar (Ludwig-Maximilian University, Munich, Germany)

10:30 – 11:00 COFFEE BREAK

11:00 <u>Session 2: Correlation effects with Ultracold Atoms</u> (Chair: Roberta Citro)

11:00 – 11:30 *"Correlation dynamics of ultracold bosons in optical lattices" - Invited Talk*

Corinna Kollath (University of Bonn, Germany)

11:30 – 12:00 *"Quantum simulation with ultracold two-electron Fermi gases" - Invited Talk*
Leonardo Fallani (LENS, Florence, Italy)

12:00 – 12:30 "*Quantum magnetism of mass-imbalanced fermionic mixtures*"
Andrii Sotnikov (University of Frankfurt, Germany)

12:30 – 15:00 LUNCH BREAK

15:00 Session 3: Poster presentations

15:00 – 16:30 *Flash presentations (about 2 min)*

16:30 – 17:00 COFFEE BREAK

17:00 Session 4: Correlated materials (Chair: Luca Tocchio)

17:00 – 17:30 *"Novel correlated physics in iridium-based oxides: the special case of Na_2IrO_3" – Invited talk*
Riccardo Comin (University of British Columbia, Vancouver, Canada)

17:30 – 18:00 *"Emergent critical phase and Ricci flow in a 2D frustrated Heisenberg model"*
Peter Philipp Orth (Karlsruhe Institute of Technology, Germany)

18:00 – 18:30 *"Statistical Transmutation in Doped Quantum Dimer Models"*
Arnaud Ralko (Néel Institute, Grenoble, France)

18:30 – 20:00 POSTER SESSION WITH APERITIF

Tuesday, July 2nd

9:00 Session 5: Iron based superconductors (Chair: M. Capone)

9:10 – 9:40 *"Magnetism in iron-based superconductors: interplay of magnetic, orbital and structural transitions" – Invited Lecture*
Ilya Eremin (Ruhr-University, Bochum, Germany)

9:40 – 10:10 *"Electronic Band Structure of $BaCo_2As_2$: A Fully Doped Ferropnictide Analog with Reduced Electronic Correlations"*
Nan Xu (Paul Scherrer Institute)

10:10 – 10:40 *"ARPES studies of the electronic structure of iron superconductors" – Invited talk*
Veronique Brouet (Laboratoire de Physique des Solides, Orsay, France)

10:40 – 11:00 COFFEE BREAK

11:00 Session 6: Iron based superconductors (Chair: M. Capone)

11:00 – 11:30 *"Correlation effects and competing orders in iron-based superconductors" – Invited talk*
Gianluca Giovannetti (CNR-IOM & SISSA, Trieste, Italy)

11:30 – 12:00 "*Optical investigation of $Ba(Fe_{1-x}Co_x)_2As_2$ detwinned by tunable uniaxial applied pressure*"
Chiara Mirri (ETH Zurich, Switzerland)

12:00 – 12:30 "*Hall Effect in pnictides*"
Laura Fanfarillo (ICMM-CSIC Madrid Spain)

12:30 – 15:00 LUNCH BREAK

15:00 <u>Session 7: Iron based superconductors</u> (Chair: Lilia Boeri)

15:00 – 15:30 *"Magnetism in iron-based superconductors: interplay of magnetic, orbital, and structural transitions" – Invited Talk*
Ilya Eremin (Ruhr-University, Bochum, Germany)

15:30 – 16:00 "*Superconductivity from orbital nematic fluctuations in iron pnictides* "
Hiroyuki Yamase (National Institute for Materials Science)

16:00 – 16:30 *"New insights to incoherent metals" – Invited Talk*
Jernej Mravlje (Ecole Polytechnique, France)

16:30 – 17:00 COFFEE BREAK

17:00 <u>Session 8: Engineered correlations</u> (Chair: Tae Won Noh)

17:10 – 17:40 *"Watching Correlated Electrons Move in Artificial Quantum Materials and Interfaces using Photoemission Spectroscopy" – Invited Lecture*
Kyle Shen (Cornell University, Ithaca, USA)

17:40 – 18:10 *"Two-dimensional superconductivity induced by high-mobility carrier doping in $LaTiO_3/SrTiO_3$ heterostructures " – Invited Talk*
Nicolas Bergeal (ESPCI ParisTech, France)

18:10 – 18:40 "*A two-dimensional electron gas with hexagonal electronic structure at the (111) surface of $KTaO_3$*"
Cédric Bareille (CSNSM - Université Paris-Sud)

20:00 CONFERENCE DINNER

Wednesday, July 3rd

9:00 <u>Session 9: Engineered correlations</u> (Chair: A. Mishchenko)

9:10 – 9:40 *"Electronic correlation and geometry: what do we learn from oxide heterostructures?" – Invited Talk*
Giorgio Sangiovanni (Würzburg University, Germany)

9:40 – 10:10 *"Watching Correlated Electrons Move in Artificial Quantum Materials and Interfaces using Photoemission Spectroscopy" – Invited Talk*
Kyle Shen (Cornell University, Ithaca, USA)

10:10 – 10:40 "*Strong correlation physics in f-electron superlattices*"
Robert Peters (Kyoto University, Japan)

10:40 – 11:00 COFFEE BREAK

11:00 **Session 10: Engineered correlations** (Chair: T. Domanski)

11:10 – 11:40 *"Electronic phase diagram of electrostatically doped $La_2CuO_{4+\delta}$" – Invited Talk*
Javier Garcia-Barriocanal (Universidad Complutense, Madrid, Spain)

11:40 – 12:10 *"Structural and Thermoelectric Properties of CrN Thin Films"*
Camilo X. G. Quintela (University of Santiago de Compostela, Spain)

12:10 – 12:40 *"Transport properties through a quantum dot coupled to normal and superconducting leads"*
Akihisa Koga (Tokyo Institute of Technology, Japan)

FREE EXCURSION TO "5 TERRE"

19:30 Meeting in Vernazza and dinner at "*Ristorante Belforte*"

Thursday, July 4th

9:00 **Session 11: Correlated materials, superconductivity** (Chair: A. Toschi)

9:00 – 9:30 *"Energetics of Superconductivity in the Two Dimensional Hubbard Model" – Invited Talk*
Emanuel Gull (University of Michigan, Ann Arbor, USA)

9:30 – 10:00 "*Superconductivity and effective interactions in the Hubbard model*"
Andreas Eberlein (MPI for Solid State Research, Stuttgart, Germany)

10:00 – 10:30 *"Superconductor-insulator transition at strong disorder: unconventional superfluid response and glassy physics"*
Lara Benfatto (Sapienza University of Rome, Italy)

10:30 – 11:00 *"Restoring phase coherence in one dimensional superconductivity by power-law hopping"*
Antonio M. Garcia-Garcia (Cambridge University and University of Lisbon)

11:00 – 11:30 COFFEE BREAK

11:30 **Special session: Methods for correlated materials** (Chair: Nils Bluemer)

11:40 – 12:00 *"Distributional Exact Diagonalization; a real frequency quantum impurity solver."*
Mats Granath (University of Gothenburg, Sweden)

12:00 – 12:20 *"Quasi continuous-time impurity solver for dynamical mean-field theory with linear scaling in the inverse temperature"*
Daniel C. Rost (Johannes Gutenberg-University, Mainz, Germany)

12:20 – 12:40 "*Efficient impurity solver using Matrix Product States"*
Martin Ganahl (Institute for theoretical physics, TU Graz, Austria)

12:40 – 13:00 "*One-particle irreducible functional approach - a new route to diagrammatic extensions of DMFT"*
Georg Rohringer (Vienna University of Technology, Austria)

13:00 – 13:20 *"From infinite to d dimensions: combining dynamical mean field theory and functional renormalization group"*
Ciro Taranto (TU Wien, Austria)

13:30 – 15:00 LUNCH BREAK

15:00 Session 12: Correlated materials, Kondo and heavy fermion physics

15:00 – 15:30 "*Correlated topological orders in Kondo insulators YbB_6 and YbB_{12}*"
Hongming Weng (The Institute of Physics, Chinese Academy of Sciences)

15:30 – 16:00 "*Ambient Pressure Superconductivity in the Antiferromagnetic Compound Ce_2PtIn_8*"
Marie Kratochvilova (Charles University, Prague, Czech Republik)

16:00 – 16:30 "*Non-Fermi liquid physics in a two-impurity Kondo quantum box device* "
Andrew Mitchell (University of Oxford, UK)

16:30 – 17:00 COFFEE BREAK

17:00 Session 13: Non-equilibrium physics (Chair: John Miller)

17:10 – 17:40 *"Control of Nonlinear Dynamics in Complex Matter by Ultrafast Optics" – Invited Lecture*
Stefan Kaiser (Max Planck Hamburg, Germany)

17:40 – 18:10 **"***New time-domain approaches to strongly correlated electron systems" – Invited Talk*
Daniele Fausti (University of Trieste, Italy)

18:10 – 18:40 "*Time- and angle-resolved photoemission spectroscopy of the CDW material RTe_3"*
Laurenz Rettig (University of Duisburg Essen, Germany)

Friday, July 5th

9:00 Session 14: Non-equilibrium physics (Chair: F. Carbone)

9:10 – 9:40 *"Numerical methods many-particle systems out of equilibrium: Impurity solvers for non-equilibrium Dynamical mean field theory" – Invited Lecture*
Martin Eckstein (Max Planck Hamburg)

9:40 – 10:10 "*Coupling of a high-energy excitation to superconducting quasiparticles in a cuprate from coherent charge fluctuation spectroscopy.*"
Barbara Mansart (EPFL Lausanne, Switzerland)

10:10 – 10:40 "*The elusive mottness underlying the phase diagram of cuprates unveiled on the ultrafast timescale.*"
Federico Cilento (ELETTRA Trieste, Italy)

10:40 – 11:00 COFFEE BREAK

11:00 Session 15: Non-equilibrium physics (Chair: F. Carbone)

11:00 – 11:30 *“Ultrafast melting of long-range order in the Hubbard model” – Invited Talk*
Martin Eckstein (Max Planck Hamburg, Germany)

11:30 – 12:00 *“Transient superconductivity in optically modulated YBCO”– Invited Talk*
Stefan Kaiser (Max Planck Hamburg, Germany

12:00 – 12:30 *“Magnetic field effects on the finite-frequency noise and AC conductance of a Kondo quantum dot out of equilibrium”*
Sabine Andergassen (University of Vienna, Austria)

12:30 CLOSING

Annex 4b: Full list of speakers and participants

NAME	AFFILIATION
Aichhorn Markus	TU Graz
Andergassen Sabine	University of Vienna
Antipov Andrey	MPI CPfS/PKS Dresden
Bareille Cédric	CSNSM - Université Paris-Sud
Bauer Johannes	Harvard University, Cambridge, USA
Bazzanella Matteo	University of Gothenburg
Benfatto Lara	ISC-CNR and Dep. of Physics, Sapienza University of Rome
Bergeal Nicolas	ESPCI ParisTech, France
Biella Alberto	Università Cattolica del Sacro Cuore
Blümer Nils	Gutenberg University Mainz
Boeri Lilia	TU Graz
Brouet Veronique	Université Paris Sud - CNRS
Brzezicki Wojciech	M. Smoluchowski Institute of Physics, Jagellonian University
Capone Massimo	SISSA and CNR-IOM
Carbone Fabrizio	Ecole Polytechnique Federale de Lausanne
Cernák Petr	Dep. of Cond. Matter Phys., Charles University, Prague, CZ
Chatterjee Banhi	University of Warsaw, Faculty of Physics
Chikina Alla	TU Dresden
Cilento Federico	Elettra - Sincrotrone Trieste
Citro Roberta	Department of Physics "E.R. Caianiello", Salerno
Comin Riccardo	University of British Columbia, Canada
Cottet Mathieu	Ecole Polytechnique Fédérale de Lausanne
Custers Jeroen	Faculty of Mathematics & Physics, Charles University, Prague
Dal Conte Stefano	Dipartimento di Fisica, Politecnico di Milano
de' Medici Luca	University of Johannesburg
Domanski Tadeusz	Institute of Physics, M. Curie-Sklodowska University, Lublin
Dorda Antonius	Graz University of Technology
Doyle Brian	University of Johannesburg, South Africa
Eberlein Andreas	Max Planck Institute for Solid State Research
Eckstein Martin	Max-Planck Department for Structural Dynamics, University of Hamburg
Eremin Ilya	Ruhr-Universitaet Bochum
Esposito Martina	Università degli Studi di Trieste
Fallani Leonardo	LENS, Florence, Italy
Fanfarillo Laura	ICMM-CSIC Madrid Spain
Fausti Daniele	Elettra & Università degli Studi di Trieste, Italy
Galpin Martin	University of Oxford
Ganahl Martin	Institute for theoretical physics, TU Graz

Garcia-Barriocanal Javier	University Complutense of Madrid
Garcia-Garcia Antonio M	Cambridge University and University of Lisbon.
Geles Faruk	Graz University of Technology
Giannetti Claudio	Università Cattolica del Sacro Cuore
Giovannetti Gianluca	CNR-IOM & SISSA, Trieste, Italy
Golez Denis	J. Stefan Institute, Ljubljana, Slovenia
Goryunov Yuriy	Kazan Phys. Techn. Institute of RAS, Kasan, Russia
Granath Mats	University of Gothenburg
Guertler Siegfried	Lehrstuhl fuer theoretische Physik II, TU-Dortmund, Germany
Gull Emanuel	University of Michigan
Hagymasi Imre	MTA-WRCP Str. Corr. Sys. “Lendulet” Res. Group, Budapest
Hamann Sandra	Max Planck Institute for Chemical Physics of Solids
Heil Christoph	ITPCP - TU Graz
Hu Wenjun	SISSA Trieste
Huesges Zita	MPI CPfS Dresden
Ivanshin Vladimir	Kazan University, Russia
Kaiser Stefan	Max-Planck Department for Structural Dynamics, University of Hamburg
Karolak Michael	I. Institut für Theoretische Physik, Universität Hamburg
Koga Akihisa	Tokyo Instutute of Technology
Kollath Corinna	University of Bonn
Kratochvilova Marie	Charles University, Prague, Czech Republic
LichtensteinJulian	RWTH Aachen University
Makuch Karol	University of Warsaw
Mansart Barbara	Ecole Polytechnique Fédérale de Lausanne
Miller, Jr., John H.	University of Houston, Dept. of Physics
Mirri Chiara	Department of Physics, ETH Zurich, Switzerland
Mishchenko Andrey S.	RIKEN Emergent Materials Department, Japan
Mitchell Andrew	University of Oxford, UK
Mor Selene	Università Cattolica del Sacro Cuore
Mravlje Jernej	College de France
Nembrini Nicola	Department of Physics, Università Cattolica del Sacro Cuore
Nikitin A.M.	Van der Waals – Zeeman Institute, University of Amsterdam
Noh Tae Won	CFI-CES, IBS, Seoul National Univ.
Nuss Martin	Inst. of Th. and Comp. Physics, Graz Univ. of Technology
Orth Peter Philipp	Karlsruhe Institute of Technology (KIT)
Peronaci Francesco	SISSA Trieste
Peters Robert	Kyoto university
Quintela Camilo X. G.	University of Santiago de Compostela

Ralko Arnaud	Néel Institute, Grenoble, FR.
Rettig Laurenz	Universität Duisburg-Essen
Rohringer Georg	Vienna University of Technology
Rost Daniel C.	Institute of Physics, Johannes Gutenberg-University, Mainz
Sanchez de la Pena David	RWTH-Aachen
Sangiovanni Giorgio	University of Wuerzburg
Schäfer Thomas	TU Vienna
Schiro Marco	Princeton Center For Theoretical Science
Schneider Ulrich	LMU & MPQ Munich
Schwab Holger	Universität Würzburg, Experimentelle Physik VII, Am Hubland,
Seth Priyanka	École Polytechnique
Shen Kyle	Cornell University, Ithaca, USA
Sotnikov Andrii	ITP, University Frankfurt
Synoradzki Karol	Institute of Molecular Physics, PAS, Pozna_, Poland
Taranto Ciro	TU Wien
Tocchio Luca F.	University of Frankfurt
Toschi Alessandro	Vienna University of Technology
Van Bay Tran	Van der Waals-Zeeman Institute, University of Amsterdam
Vidmar Lev	LMU Munich
Wallerberger Markus	Technische Universität Wien, Austria
Wang Jing	USTC Hefei China, MPI-FKF Stuttgart Germany
Weng Hongming	The institute of Physics, Chinese Academy of Sciences
Wentzell Nils	University of Vienna
Xu Nan	Paul Scherrer Institut
Yamase Hiroyuki	National Institute for Materials Science
You Wen-Long	Max Planck Institute for Solid State Research