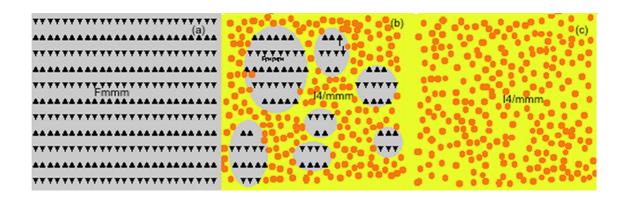
7th INTERNATIONAL CONFERENCE OF THE STRIPES SERIES

"FeAs High T_c Superconducting Multilayers and Related Phenomena"

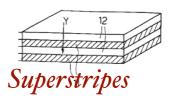
Rome, December 9-13, 2008

SUPERSTRIPES 2008

PROGRAM







10 December 9:00-10:40 Aula Magna

9:00-10:40	Session 1	Chairmen: A. BIANCONI,
		F. KUSMARTSEV

9:00-9:20

Openining Session

9:20-90:40 J.L. Luo

Superconductivity and spin-density-wave instability in Fe-based superconductors 9:40-10:00 D. Wu

Properties of Re(O_{1-x}F_x)TAs (Re=rare earth, T=transition metal)

10:00-10:20 Christian Hess

The intrinsic electronic phase diagram of iron-pnictide superconductors

10:20-10:40 Taku Sato

Single crystal neutron inelastic scattering study on the ternary BaFe2As2 compound

10:40-11:10 Coffee Break

11:10-12:50	Session 2	Chairmen: N.L. SAINI,
		J. MUSTRE DE LEON

11:10-11:30 Anton Jesche

Cerium iron oxypnictides: from a heavy fermion system to the parent compound for high-Tc superconductivity

11:30-11:50 Serena Margadonna

Structural and electronic properties of hole doped rare-earth iron oxyarsenides $Nd_{l,x}Sr_xFeAsO$

11:50-12:10 Chul-Ho Lee

 $Oxypnictide\ Superconductors\ LnFeAsO_{1-v}(Ln=Lanthanide)$

12-10-12:30 Hiroki Takahashi

High- pressure studies on superconductivity in LaFeAsO_{1-x} F_x , LaFePO, and $SrFe_2As_2$

12:30-12:50 Nao Takeshita

Pressure dependence of T_C in fluorine-free LnFeAs O_{1-v}

12:50-14:00	Lunch Break
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10 December 15:00-17:00 Aula Magna

15:00-17:00	Session 3	Chairmen: T. MIZOKAWA,
		H. TAKAHASHI

15:00-15:20 Antony Carrington

Fermi surface of superconducting LaFePO determined from quantum oscillations

15:20-15:40 Vladimir Hinkov

Coexistence of superconductivity and magnetism in underdoped $Ba_{1-x}K_xFe_2As_2 - a$ study by scattering and local-probe techniques

15:40-16:00 Fedor Kusmartsev

Two-component physics of oxides and FeAs High Tc Superconducting Multilayers and superconductor-insulator transition.

16:00-16:20 Jose Mustre de Leon

Near-edge X-ray Absorption in Iron Arsenide Rare Earth Oxides: Theory and Experiment

16:20-16:40 Philippe Borges

Magnetic order in the pseudo gap state of high-Tc cuprate

16:40-17:00 Davor Pavuna

Physics and NanoEngineering of Functional and High-Tc Oxides: Direct ARPES (=DARPES) on In-situ Grown Ultra-thin Films

17:00-17:30	Coffee Break	

17:30-19:30	Session 4	Chairmen: S. BORISENKO,
		S. SAVRASOV

17:30-17:50 Thierry Klein

Hall probe magnetization and specific heat measurements in NdFeAs(O,F) single crystals

17:50-18:10 Takasada Shibauchi

Gap symmetry and anisotropy in the superconducting state of $PrFeAsO_{1-y}$ and $Ba_{1-x}K_xFe_2As_2$ single crystals

18:10-18:30 Fedor Balakirev

High field research in FeAs-based materials

18:30-18:50 Dimitri Basov

Charge dynamics in the normal state of the iron oxypnictide superconductor LaFePO

18:50-19:10 Yoshimitsu Kohama

Resistive Upper Critical Field in LaFeAs(O,F) AND Sr(Fe,Co)₂As₂

19:10-19:30 Steven Conradson

Phase Separation (in Cuprates) and an Exceptional Dynamic Polaron as a Consequence of Mixed Valence in UO_{2+x}

11 December 9:00-10:40 Aula Magna

9:00-10:40	Session 5	Chairman:, E. CARLSON
		J. LUO

9:00-9:20 Peter Samuely

Multigap superconductivity in pnictides

9:20-9:40 Ivan Maggio-Aprile

STM measurements of the superconducting gap and the dip-hump-like feature in single-crystalline $SmFeAsO_{0.86-x}F_x$

9:40-10:00 Dario Daghero

Evidence for two BCS-like gaps in SmFeAs $O_{0.8}F_{0.2}$ from point-contact Andreev-reflection spectroscopy

10:00-10:20 Renato Gonnelli

Point-contact Andreev-reflection spectroscopy in LaFeAs $O_{1-x}F_x$: Coexistence of two order parameters and a pseudogap

10:20-10:40 Rüdiger Klingeler

Magnetic, thermodynamic and structural properties of FeAs-based superconductors

10:40-11:10 Coffee Break	
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11:10-12:50	Session 6	Chairmen:	M. Grilli,
			I. MAGGIO-APRILE

11:10-11:30 Antonio Bianconi

The Similarity of the 3d Phase Diagram of Iron Pnictides with Cuprates and Diborides Unveil the Fundamentals of the High T_c Superconductivity

11:30-11:50 Sergei Borisenko

 (π,π) -Electronic Order in Iron Arsenide Superconductors

11:50-12:10 Haiyun Liu

Electronic Structure and Superconducting Gap in $(M_{1-x}K_x)Fe_2As_2$ $(M = Ba \ and \ Sr)$ from Angle-Resolved Photoemission Spectroscopy

12-10-12:30 Volodymiyr Zabolotny

Momentum dependence of the superconucting gap in $Ba_1, K_1 Fe_2 As_2$

12:30-12:50 Normann Mannella

Spectroscopic Evidence for Strong Itinerant Spin Fluctuations in the Normal State of CeFeAsO_{0.89}F_{0.11} Iron-Oxypnictides Superconductors

12:50-14:00	Lunch Break
12.50-17.00	Lunch Di cak

11 December 15:00-17:00 Aula Magna

15:00-17:00	Session 7 (Parallel)	Chairmen: J. ASHKENAZI,
		M. CAPONE

15:00-15:20 Sergei Savrasov

Electronic Structure and Exchange Interactions in Superconducting Pnictides

15:20-15:40 Lilia Boeri

Electron-phonon properties of Fe-As superconductors

15:40-16:00 Takashi Mizokawa

Excitonic instability and band Jahn-Teller effect in the FeAs layer

16:00-16:20 Jeroen Van den Brink

Heavy anion solvation of polarity fluctuations in Pnictides

16:20-16:40 Josè Lorenzana

Landau theory of competing orders in FeAs layers

16:40-17:00 Peter Sushko

Theoretical modeling of mechanism of structural and magnetic phase transitions in FeAs-based layered materials

11 December 15:00-17:00 Aula Conversi

15:00-17:30	Session 8 (parallel)	Chairmen: A. CARRINGTON.
		V. HINKOV

15:00-15:20 Janus Karpinski

High pressure growth, structure and superconducting properties of RFeAs $O_{1-x}F_y$ (R = Sm, Nd, Gd, La) single crystals

15:20-15:40 Simon Kimber

Relationship Between Crystal Structure and Superconductivity in Structural Changes under High Pressure in the AFe2As2 Superconductors

15:40-16:00 Guillame M. Lang

Electronic properties of iron pnictides as seen by NMR

16:00-16:20 Alberto Martinelli

Synthesis, crystal structure, transport, magnetic and thermal properties in Smbased oxy-pnictide

16:20-16:30 Manoj Kumar

Pressure Effect on Magnetic and Strctural Transition in SrFe₂As₂

16:30-16:40 Anke Köhler

WDX-Analysis of the New Superconductors $RO_{1-x}F_xFeAs$ (R=La, Ce, Nd, Sm, Gd) and its Consequences on the Electronic Phase Diagram

16:40-16:50 Danilo Zola

Granularity and vortex dynamics in $LaO_{0.92}F_{0.08}FeAs$ superconductors

17:00-17:30	Coffee Break Aula Magna

11 December 17:30-19:30 Aula Magna

17:30-19:10	Session 9 (parallel)	Chairmen: C. CASTELLANI,
		J. LORENZANA

17:30-17:50 Peter Thalmeier

Feedback effect in Rare Earth based FeAs and heavy fermion superconductors

17:50-18:10 Andrea Perali

BCS-BEC crossover in two-band superconductors: a mean field analysis

18:10-18:30 Lara Benfatto

Multiple gaps and superfluid density in a four-band model for oxypnictides

18:30-18:50 Nicola Poccia

The misfit strain critical point and Feshbach resonance in multigap superconuctors and the 3d phase diagram of cuprates

18:50-19:10 Christian Platt

11 December 17:30-19:30 Conversi

17:30-19:10	Session 10 (parallel)	Chairmen: S. CONRADSON,
	-	S. KIMBER

17:30-17:50 Andreas Koitzsc

Electronic structure of iron pnictides from photoemission spectroscopy

17:50-18:10 Federica Bondino

X-ray spectroscopy signature of electron itinerancy in $CeFeAsO_{0.89}F_{0.11}$ Iron-Oxypnictides

18:10-18:30 Walid Malaeb

Photoemission Study of FeAs High-T_c Supercondcutors

18:30-18:50 Thomas Kroll

On the electronic structure of electron doped rare-earth oxypnictides

18:50-19:10 Michela Fratini

Hysteretic continuous frustrated first order phase transition in 1111 FeAs-based superconductors

12 December 9:00-10:40 Aula Magna

9:00-10:40	Session 11	Chairman: R. GONNELLI,
		P. SAMUELY

9:00-9:20 Adam Dubroka

Superconducting energy gap and c-axis plasma frequency of (Nd,Sm)FeAsO_{0.82}F_{0.18} superconductors from infrared ellipsometry

9:20-9:40 Tomaz Mertelj

Distinct pseudogap and superconducting state quasiparticle relaxation dynamics in near-optimally doped $SmFeAsO_{0.8}F_{0.2}$ single crystals)

9:40-10:00 Alexander Boris

Quasiparticle renormalization effects in the normal-state optical properties of iron pnictides.

10:00-10:20 Gianni Profeta

The optical phonon spectrum of SmFeAsO

10:20-10:40 Robert Markiewicz

Momentum density, Fermi surface and directional Compton profile in the Iron-based superconductor LaOFeAs

10:40-11:10	Coffee Break
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11:10-12:50	Session 12	Chairmen: J. VAN DEN BRINK,
		J. KARPINSKI

11:10-11:30 Tatsuo Goko

Muon Spin Relaxation Studies of Magnetic Order and Superconductivity in RE(O,F)FeAs and $(A,K)Fe_2As_2$

11:30-11:50 Yasutomo Uemura

Energy-scale Phenomenology and Spin-mediated Pairing for FeAs, CuO, heavy-fermion and other exotic superconductors

11:50-12:10 Toby Perring

High energy spin excitations in the parent phase of a pnictide superconductor 12-10-12:30 Samuele Sanna

 μSR results on the magnetic and superconducting properties of SmFeAs $O_{L_x}F_x$

12:30-12:50 Jennifer Hoffmann

Scanning Tunneling Spectroscopy and Vortex Imaging in the Iron-Pnictide Superconductor $BaFe_{1.8}Co_{0.2}As_2$

12:50-14:00	Lunch Break
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12 December 15:00-17:00 Aula Magna

15:00-17:00	Session 13	Chairmen: R.S. MARKIEWICZ,
		Y. UEMURA

15:00-15:20 Oleg Dolgov

Physical Properties of $s_{+/-}$ Superconductors as a Model of Iron Pnictides

15:20-15:40 Erica Carlson

Magnetic Excitations of Undoped Iron Oxypnictides

15:40-16:00 Joseph Ashkenazi

A Unified Theory for the Cuprates, Iron-based and Similar Superconducting Systems

16:00-16:20 Alexander Yaresko

Magnetic properties of iron pnictides from spin-spiral calculations

16:20-16:40 Maxim Korshunov

Theory for magnetic excitations in Fe-pnictides

16:40-17:00 Sangeeta Sharma

Magnetic properties of LaO_{1.}F_xFeAs

17:00-17:30	Coffee Break	

17:30-19:20	Session 14	Chairman: A. BIANCONI
		N. L. SAINI

17:30-17:50 Ryotaro Arita

Unconventional superconductivity originating from disconnected Fermi surfaces in iron-pnictides

17:50-18:10 Massimo Capone

Orbital Selective Physics from crystal-field splitting and Hund's coupling in the Iron-based Superconductors

18:10-18:30 Giovanni Ummarino

The effect of negative interband coupling in the iron pnictides

18:30-18:50 Valery Kisel

The Key Role Of Dislocation-Like Mechanisms in Dynamics of Charged Particles in Superconductivity and Superfluidity

18:50-19:00 Alessandro Ricci

The Tetragonal-Orthorhombic Phase Transition and the Role of the Superlattice Misfit Strain

19:00-19:20 Alessandra Lanzara

Poster Session 10th, 11th, 12th December

Aula Magna14:00- 15:00

1P Denis Arcon,

Influence of the Nd 4f States on the Magnetic Behavior and the Electric Field Gradient of the Oxypnictides superconductors NdFeAsO_{1-x}F_x

2P Andrew W. Beckwith,

Can CDW Structural Phase Transitions be modeled as quantum phase transitions, as seen in current vs. applied electric field values seen in the laboratory?

3P Zbigniew Bukowski,

Superconductivity at 22 K in Rb-Substituted BaFe₂As₂ Single Crystals

4P Roberta Citro,

Critical temperature and isotope exponent in a two band-model for superconducting Fe-pnictides

5P Daniele di Gioacchino,

Irreversibility line and flux dynamic in NdO_{1.x}F_xFeAs bulk sample

6P Jack Gillett,

High-Field and High-Pressure studies on the 122 Iron Arsenates

7P Kiichi Miyazawa,

Superconducting transition temperature exceeding 50 K in oxypnictide superconductors LnFeAsO1-y (Ln= Nd, Sm, Gd, Tb and Dy)

8P Philip Moll,

Magneto-transport near T_c in SmFeAs($O_{0.7}F_{0.25}$) single crystals of FIB-defined geometry

9P Olaksandr Tkachenko,

Synthesis, crystal growth and epitaxial layers growth of FeSe $_{0,88}$ superconductor and other poison materials by use of high gas pressure trap system

10P Ilaria Pallecchi,

Thermodynamic estimation of the upper critical field slope of doped SmFeAsO from fluctuation conductivity in the critical regime

11P Nicola Poccia

Global 3D phase diagram of cuprates superconductor

12P Zuzana Pribulova,

Superconducting properties of $Ba(Fe_{0.93}Co_{0.07})_2As_2$

13P Alessandro Serafin,

Magnetic penetration depth of single crystal of SmFeAsOF and LaFePO

14P Matteo Tropeano,

Thermal and Transport properties of SmFeAs $O_{1-x}F_x$: from SDW to superconducting ordering

15P Lev Vinnikov,

Direct observation of Abrikosov's vortices in $Ba(Fe_{0.9}Co_{0.1})_2As_2$ single crystals 16P Volodymyr Zabolotny,

Evidence for Fermi surface reconstruction in the static stripe phase of $La_{1.8-}$ $_xEu_{0.2}Sr_xCuO_4$, x = 1/8

17P Nikolai Zhigadlo,

High Pressure Synthesis and Characterization of FeAs-Based Superconductors