

Invited lectures and talks: Igor Herbut

Schools and conferences:

September 2011, Workshop on "Quantum Field Theory aspects of Condensed Matter Physics", INFN - Laboratori Nazionali di Frascati, Rome: "Order parameters and their topological defects in 2D Dirac systems"

April 2011, XVIII Symposium on Condensed Matter Physics, SFKM 2011, Belgrade, Serbia: "Zero-modes and the structure of Dirac's vortex core in graphene"

July 2010, Workshop on "Correlated phenomena in low-dimensional systems", Max Planck Institute for the Physics of Complex Systems, Dresden: "Zero-energy states and the general structure of the vortex core in graphene"

May 2010, "Nobel Symposium on Graphene", Stockholm: "Zero-energy states and the ordered core of the Dirac mass-vortex in graphene"

April 2010, "New frontiers in graphene physics", ECT, Trento: "Relativistic Mott criticality in graphene"

July 2009, Graphene conference, Centro de Ciencias de Benasque Pedro Pascual, Spain: "Mott insulators, phase transitions, and zero-energy states in graphene"

July 2009, Workshop on "Vortices and fluctuations in superconductors and superfluids", Aspen Center for Physics: "Superfluid density in underdoped cuprates"

May 2009, CIAR quantum materials summer school, Vancouver: "Emerging relativity in graphene"

April 2009, Workshop on "Low-dimensional electronic systems", KITP, Santa Barbara: "Mott insulators and zero-energy states in graphene"

September 2008, "Graphene Canada 08", Banff, Alberta: "SO(3) theory of graphene's quantum Hall effect"

June 2008, Conference on "Topological aspects of solid state physics", Yukawa Institute for Theoretical Physics, Kyoto: "Coulomb interaction, ripples, and the minimal conductivity of graphene"

June 2008, Workshop on "Topological aspects of solid state physics", ISSP, University of Tokyo: "Zero-energy states of Dirac fermions in two dimensions and orders in graphene"

May 2008, Spinor 2008, Norwegian Academy of Sciences and Letters, Oslo: "Coulomb interaction, ripples, and the minimal conductivity of graphene"

January 2008, Workshop on Relativistic Dynamics of Graphene, INT, U. of Washington, Seattle: "SO(3) theory of graphene's quantum Hall effect"

September 2007, XVII Symposium on Condensed Matter Physics, Serbian Physical Society, Vrsac, Serbia: "Higgs - like phase transitions in graphene"

August 2007, Novel Aspects of Superconductivity, Aspen Center for Physics: "Coulomb interactions, ripples, and the minimal conductivity of graphene"

June 2007, Spinor 2007, Norwegian Academy of Sciences and Letters, Oslo: "Metal-insulator transition and the quantum Hall effect in graphene"

June 2007, CAP conference, Saskatoon: "Graphene: symmetries, transitions, Hall effect"

January 2007, Workshop on graphene, Kavli Institute for Theoretical Physics, UC Santa Barbara: "Graphene: symmetries, transitions, Hall effect"

July 2006, Conference on "Low-energy excitations in high-T_c superconductors", Max Planck Institute, Stuttgart: "Effective theory of underdoped cuprates and the puzzle of superfluid density"

June 2006, CAP conference, St. Catherines, Ontario: "High-temperature superconductivity's coming of age"

August 2005, SPIE conference on "Strongly correlated electron materials: physics and nano-engineering", San Diego: "Effective theory of high temperature superconductors"

July 2005, Aspen Center for Physics, Aspen: "Superfluid density in very underdoped cuprates"

May 2005, CIAR conference on quantum materials: "Superfluid density in underdoped cuprates"

September 2004, XVI Symposium of Condensed Matter Division, Serbian Physical Society, Soko Banja, Serbia: "QED3 and beyond: effective theory of underdoped high-temperature superconductors"

July 2004, "Summer School on Modern Approaches to Quantum Many-Particle Systems", Tokyo Institute of Technology, Tokyo: "Theory of fluctuating d-wave superconductors"

June 2004, CAP conference, Winnipeg, Manitoba: "Theory of spin and charge response of fluctuating d-wave superconductors"

February 2004, Workshop on "Spins, charges, lattices and topology in low-dimensional systems", PITP, UBC, Vancouver: "Spin and charge response in underdoped cuprates"

July 2003, Workshop on "Quantum Phase Transitions", Max Planck Institute for Complex Matter, Dresden: "Theory of phase fluctuating d-wave superconductors"

July 2003, Conference of "Hidden Symmetries in Strongly Correlated Electron Systems", King's College, London: "Theory of spin and charge in phase fluctuating d-wave superconductors"

May 2003, "7th international conference on materials and mechanisms of superconductivity in high temperature superconductors", Rio de Janeiro: "Theory of strongly phase fluctuating d-wave superconductors and the spin response in underdoped cuprates"

May 2003, CIAR student conference on superconductivity, Vancouver: "The renormalization group in condensed matter physics"

December 2001, CIAR conference on superconductivity, Victoria: "QED3 theory of underdoped high temperature superconductors"

July 2001, International Conference on Statistical Physics (StatPhys 21), Cancun:
"Superconductor-insulator transition near one dimension"

August 1999, Aspen Center for Physics: "Superconductor-insulator transition near one dimension"

August 1996, ICTP, Trieste: "Disordered induced superconducting phase transition in strong magnetic fields"

Seminars and colloquia:

June 2011, Instituut Lorentz, Leiden University, seminar: "Zero-energy states and the structure of the Dirac vortex"

June 2011, Institute for Theoretical Physics, University of Amsterdam, seminar: "Zero-energy states and the structure of the Dirac vortex"

June 2011, Princeton Center for Theoretical Science, Princeton University, seminar: "Zero-energy states and the structure of the Dirac vortex in graphene"

June 2010, NORDITA, Stockholm, seminar: "Zero-energy states and the ordered core of the Dirac mass-vortex in graphene"

February 2010, RIKEN, Tokyo, seminar: "Zero-energy states and the ordered core of the Dirac mass-vortex in graphene"

February 2010, Institute for Solid State Physics, University of Tokyo, seminar: "Zero-energy states and the ordered core of the Dirac mass-vortex in graphene"

March 2009, University of British Columbia, colloquium: "Higgs phases and zero-energy states in graphene"

February 2009, National Taiwan Normal University, seminar: "Coulomb interaction, ripples, and the minimal conductivity in graphene"

February 2009, National Taiwan Normal University, colloquium: "Higgs phases and zero-energy states in graphene"

February 2009, Academia Sinica, Taipei, seminar: "Higgs phases and zero-energy states in graphene"

February 2007, University of British Columbia, seminar: "Graphene: symmetries, transitions, Hall effect"

October 2006, University of Virginia, Charlottesville, colloquium: "Graphene: symmetries, transitions, Hall effect"

December 2005, University of Tokyo, (Komaba), seminar: "High-temperature superconductivity's coming of age"

November 2005, Aoyama Gakuin University, Tokyo, colloquium: "High-temperature superconductivity's coming of age"

October 2005, RIKEN, Tokyo, seminar: "High-temperature superconductivity's coming of age"

October 2005, University of Tokyo, (Hongo), seminar: "High-temperature superconductivity's coming of age"

October 2005, Tokyo Institute of Technology, seminar: "High-temperature superconductivity's coming of age"

September 2005, Simon Fraser University, colloquium: "High-temperature superconductivity's coming of age"

December 2004, Belgrade University, Belgrade, colloquium: "Efektivna teorija visoko-temperature superprovodnosti" (Effective theory of high-temperature superconductivity)

May 2003, University of Missouri, Rolla, colloquium: "Antiferromagnetism and d-wave superconductivity in high temperature superconductors: a new relationship"

February 2003, University of Washington, Seattle, seminar: "QED3 theory of underdoped high temperature superconductors"

January 2003, National High Magnetic Field Laboratory, Tallahassee, seminar: "Theory of fluctuating d-wave superconductors: QED3 and beyond".

October 2002, University of British Columbia, Vancouver, seminar: "QED3 theory of underdoped high temperature superconductors"

April 2002, University of Chicago, James Franck Institute, seminar: "QED3 theory of underdoped high temperature superconductors"

April 2002, University of Illinois, Urbana-Champaign, seminar: "QED3 theory of underdoped high temperature superconductors"

June 2001, The Johns Hopkins University, Baltimore, seminar: "Quantum phase transitions in d-wave superconductors"

April 2001, University of British Columbia, Vancouver, seminar: "Quantum phase transitions in d-wave superconductors"

February 1999, University of Waterloo, colloquium: "Theory of superconductor-insulator transition"

December 1998, Princeton University, seminar: "Superconductor-insulator transition in $1+\epsilon$ dimensions"

November 1998, St. Mary's University, Halifax, colloquium: "Fractional quantum Hall effect and this year's Nobel prize in physics"

November 1998, Dalhousie University, Halifax, colloquium: "Fractional quantum Hall effect and this year's Nobel prize in physics"

October 1998, University of Toronto, seminar: "Phase coherence and localization in two dimensions: the theory of superconductor-insulator transition"

February 1998, Simon Fraser University, Burnaby, colloquium: "Superconductor-insulator transition in two dimensions"

January 1998, Dalhousie University, Halifax, colloquium: "Superconductor-insulator transition in two dimensions"

January 1998, National High Magnetic Field Laboratory, Tallahassee, seminar: "Superconductor-insulator transition in two dimensions"

December 1997, Belgrade University, Belgrade, colloquium: "Teorija superprovodnik-izolator kvantnog faznog prelaza (Theory of quantum superconductor-insulator transition) "

February 1997, Simon Fraser University, Burnaby, seminar: "Gauge-field fluctuations and the superconducting critical point"

March 1995, University of British Columbia, Vancouver, seminar: "Freezing of vortex liquid in strongly type-II superconductors"

November 1992, Max Planck Institute, Grenoble, seminar: "Jain's states and the hierarchy of fractional quantum Hall liquids"