Workshop on Solitons: Integrability, Duality and Applications
(April 17-20, 2017)

Monday, 17 April 2017

09:30-10:15 REGISTRATION

10:15-10:30 WELCOME

10:30-11:10 Paul Sutcliffe (Durham University, England)
*Knots and Vortices*

11:10-11:50 Theodora Ioannidou (Aristotle University at Thessaloniki, Greece)
*Discrete Non-linear Schrödinger equation*

11:50-12:20 Coffee

12:20-13:00 Fidel Schaposnik (La Plata University, Argentina)
*Some new results for diverse fermionic and gauge field models in d=3 dimensions*

13:00-13:40 Marco Kneipp (Universidade Federal de Santa Catarina, Brazil)
*Some connections between BPS Z(N) strings, monopoles and Affine Toda Field Theories*

13:40-15:30 Lunch

15:30-16:10 Partha Guha (SN Bose Center Kolkata, India)
*Deformation aspects of integrable PDEs*

16:10-16:50 Árpád Lukács (TU Delft, The Netherlands)
*Stabilisation of semilocal strings by dark scalar condensates*

16:50 - 17:20 Coffee

17:20-18:00 Kouichi Toda (Toyama Prefectural University, Japan)
*Geostrophic regimes, intermediate solitary vortices and Jovian eddies*

18:00-18:40 Alexis Roa Aguirre (Universidade Federal de Itajubá, Brazil)
*Dynamical Defects in Integrable Field Theories*
Tuesday, 18 April 2017

10:30-11:10  Peter Forgacs (University Tours, France & Wigner RCP, Hungary)
Gravitational breathers (geons) in asymptotically anti deSitter space-times

11:10-11:50  Stefano Bolognesi (University of Pisa, Italy)
Holography, Skyrmions and Nuclei

11:50-12:20  Coffee

12:20-13:00  Jutta Kunz (University of Oldenburg, Germany)
EMCS solitons

13:00-13:40  Christoph Adam (University of Santiago de Compostela, Spain)
Hairy black holes in general Skyrme models

13:40-15:30  Lunch

15:30-16:10  Andrzej Wereszczynski (Jagiellonian University Krakow, Poland)
BPS submodels of the Skyrme model

16:10-16:50  Carlos Naya (Durham University, England)
Vector mesons and the Skyrme model

16:50 - 17:20  Coffee

17:20-18:00  Gianni Tallarita (Universidad Adolfo Ibáñez, Chile)
A simple model for Non-Abelian Solitons

18:00-18:40  Stephen Flood (University of Leeds, England)
Chern-Simons Deformation of Vortices on Compact Domains

Wednesday, 19 April 2017

10:00-10:30  LAUDATIO for Luiz A. Ferreira

Gabriel Luchini (UFES, Brazil)
Wojtek J. Zakrzewski (Durham University, UK)
Abraham H. Zimerman (IFT-UNESP, Brazil)

10:30-11:10  Nobuyuki Sawado (Tokyo University of Science, Japan)
Fermions on the extended Skyrme-Faddeev Hopfions

11:10-11:40  Coffee
11:40 - 12:20 David Foster (Bristol University, England)

*The decay of Hopf solitons in the Skyrme model*

12:20-13:00 Jose Francisco Gomes (IFT-UNESP, Brazil)

*Miura & Bäcklund Transformation for KdV and mKdV Hierarchies*

13:00-14:00 Lunch

14:00-15:00 IFT-Colloquium

15:00-19:30 Free

19:30-.... Conference & Birthday Dinner

**Thursday, 20 April 2017**

10:30-11:10 Steffen Krusch (University of Kent, Canterbury, England)

*Isospinning Skyrmions*

11:10-11:50 Manu Paranjape (University of Montreal, Canada)

*Topological Solitons and Induced False Vacuum Decay*

11:50-12:20 Coffee

12:20-13:00 Pawel Klimas (Universidade Federal de Santa Catarina, Brazil)

*Compact solutions in the CPN type models*

13:00-14:30 Lunch

14:30-15:30 SHORT TALKS

14:30-14:45 Yuki Amari (Tokyo University of Science, Japan)

*Classical solutions in the F_2 non linear sigma model*

14:45-15:00 Floris ter-Braak (Durham University, England)

*Some aspects of the mRLW equation and quasi-integrability*

15:00-15:15 Gustavo Moreira Simões (UFF, Brazil)

*Normal and hybrid mesonic states in SU(N) to Z(N) SSB Yang-Mills-Higgs effective models*

15:15-15:30 Adalto Rodrigues Gomes dos Santos (UFMA, Brazil)

*Suppression of two-bounce windows in kink-antikink collisions*
15:30-16:30 Poster session/Coffee

Rodolfo Alvan Casana Sifuentes (UFMA, Brazil)
*Self-dual configurations in Abelian Higgs models with k-generalized gauge field dynamics*

Ivan Antonio Cardenas Munoz (Universidad de Sonora, Mexico)
*Variation of the fine structure constant*

Ana Lúcia Retore (IFT-UNESP, Brazil)
*Construction of the Bäcklund transformations for the mKdV hierarchy*

Luís Rodolfo Santos Filho (CBPF Rio, Brazil)
*About Kerr-Newman Solutions and Electrons Field*

Nathaly Infantini Spano (IFT-UNESP, Brazil)
*The sinh-Gordon defect matrix generalized for n defects*

Harold Sócrates Blas Achic (UFMT, Brazil)
*Quasi-integrable non-linear Schrödinger models, infinite towers of exactly conserved charges and bright solitons*

Fabiano de Carvalho Simas (UFMA, Brazil)
*Degenerate vacua to vacuumless model and K\bar{K} collisions*

Masaya Iida, Yuki Amari, Nobuyuki Sawado
*Fermions coupled with vortex skyrmion solutions*

END OF WORKSHOP