TENTATIVE FINAL PROGRAM
(05th September 2015)

Sunday 6 Afternoon

15.30 REGISTRATION OF PARTICIPANTS
19.00 END OF REGISTRATION
19.30 WELCOME COCKTAIL PARTY
20.00 DINNER

Monday 7 Morning

08.00 REGISTRATION OF PARTICIPANTS
08.50 END OF REGISTRATION
08.55 BEGINNING of the WORKSHOP
08.55 Franco GIOVANNELLI Welcome Address

OPENING REMARKS

Chairperson: DMITRY BISIKALO

09.00 Franco GIOVANNELLI & Lola SABAU-GRAZIATI The Golden Age of Cataclysmic Variables and Related Objects: The State of Art.
09.30 Joseph PATTERSON Stella Physics after Classical-Nova Disaster
10.00 Stella KAFKA The Impact of AAVSO on Knowledge of CVs and Related Objects

10.30 Coffee Break

Organized by:
INAF - Istituto di Astrofisica e Planetologia Spaziali, Roma, Italy; INAF - Osservatorio Astronomico di Capodimonte, Napoli, Italy; INTA - Departamento de Cargas Utiles y Ciencias del Espacio, Madrid, Spain; RAS - Institute of Astronomy, Moscow, Russia; ASCR - Astronomical Institute, Ondrejov & Prague Technical University, Czech Republic; Department of Physics, Technion, Haifa, Israel; Villanova University, Villanova, PA, USA

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Monday 7 Morning

OPENING REMARKS

Chairperson: JOSEPH PATTERSON

11.00 Koji MUKAI X-ray Spectroscopy of Accreting White Dwarfs: Prospects for ASTRO-H and Beyond
11.30 Jordi ISERN GAIA and the use white dwarf stars as Advanced physical laboratories

12.00 END OF THE SESSION

CATACLYSMIC VARIABLES

12.00 Pieter MEINTJES The Propeller White Dwarf Pulsar in AE Aquarii: A Multi-Frequency Emission Laboratory
12.30 Christian KNIGGE Accreting White Dwarfs as Universal Accretion Laboratories

13.00 INTERVAL
Monday 7 Afternoon

CATACLYSMIC VARIABLES

Chairperson: STELLA KAFKA

17.00  Yukikatsu TERADA  WD Pulsars and Rotating WD — Theory Vs Observations
17.30  Edward SION   Thermonuclear Burning onto the White Dwarf of CVs
18.00  Matthias SCHREIBER  Binary population models of CVs
18.20  Sergey ZHARIKOV  Short Period CVs
18.40  Michele M. MONTGOMERY  Connecting Pre-CVs to Post-Algols
19.00  Simone SCARINGI  Flickering variability in CVs

19.20  INTERVAL

Monday 7 Night

Chairperson: GIORA SHAVIV

SPECIAL NIGHT SESSION

21.45  Pier Luigi LUISI  What is Life ?

22.30  End of the SPECIAL NIGHT SESSION
Tuesday 8 Morning

CATACLYSMIC VARIABLES

Chairperson: EDWARD SION

09.00  Deanne COPPEJANS  Cataclysmic Variables are significant radio emitters
09.30  Paul MASON  Accretion onto magnetic CVs – Theory Vs Observations
10.00  Dmitry BISIKALO  MHD simulation of column accretion onto a magnetized white dwarf in CVs
10.20  Hannes BREYTENBACH  QPOs in magnetic CVs

10.40  Coffee Break

Chairperson: PAUL MASON

11.10  Steven PARSONS  CVs descending from super soft sources
11.30  Stephen POTTER  Observational aspects of magnetic accretion
11.50  Rosa POGGIANI  The transient OT J213806.6+261957 in Pegasus - Possible emitter of gravitational waves
12.10  Vojtech SIMON  V1223 Sgr and the long-term activity of the intermediate polars
12.30  Andrey SEMENA  Assessment the area of accretion curtains from fast aperiodic time variability of Intermediate Polars
12.50  Richard V.E. LOVELACE  Jets from disc-accreting magnetized stars

13.10  INTERVAL
Tuesday 8 Afternoon

CATACLYSMIC VARIABLES

Chairperson: ROSA POGGIANI

17.00  Elmé BREEDT  The AM Canum Venaticorum binaries – A Review
17.30  Mokhine MOTSOALEDI  New AM CVn stars and Polars discovered from optical transient surveys
17.50  David BUCKLEY  MASTER-SAAO transient detections: new CV discoveries
18.10  Zhibin DAI  The Kepler program for observing interesting CVs
18.30  Juan Venancio HERNANDEZ SANTISTEBAN  Searching for dead CVs in synoptic surveys
18.50  Ada NEBOT  CVs detected in the XMM-Newton SSC survey of the Galactic plane
19.10  Marina ROMANOVA  Accretion onto Magnetized Stars: 3D-MHD Simulations

19.30  INTERVAL

Tuesday 8 Night

SPECIAL NIGHT SESSION

Chairperson: MARIKO KATO

22.00  Giora SHAVIV  Who discovered that Hydrogen is the most abundant element in the Cosmos?

22.45  End of the SPECIAL NIGHT SESSION
Wednesday 9 Morning

F R E E

Wednesday 9 Afternoon

CATACLYSMIC VARIABLES

Chairperson: PIETER MEINTJES

15.15 Anna PALA  HST GO project: A Review
15.45 Odette TOLOZA CASTILLO  GW Librae: A Unique laboratory for pulsations in an accreting white dwarf
16.05 Linda SCHMIDTOBREICK  SW Sex stars now and then
16.35 Nataly KATYSHEVA  Cataclysmic variables in the period gap – the new data
16.55 Elena PAVLENKO  NY Serpentis: SU UMa-type nova in the period gap
17.15 Irina VOLOSHINA  Photometric Study of Eclipsing Dwarf Nova CY Cnc Above the Gap.

17.35 OFFICIAL PHOTO

Coffee Break

Chairperson: SOLEN BALMAN

18.05 Daisaku NOGAMI  On candidates of the period bouncers
18.25 Linda SCHMIDTOBREICK  QZ Lib, dwarf nova and possible Period bouncer
18.45 James MATTHEWS  The impact of accretion disk winds on the optical spectra of cataclysmic variables
19.05 René HUDEC  Photographic Sky Surveys and Cataclysmic Variables: Recent progress

19.25 INTERVAL
Thursday 10 Morning

CATACLYSMIC VARIABLES

Chairperson: DRAHOMIR CHOCHOL

09.00  Pavel KAYGORODOV  3D simulations of the interaction between stream from the L1 point and accretion disk in non magnetic CVs
09.20  Andrey G. ZHILKIN  Accretion theory – MHD Simulations
09.40  Marius HERTFELDER  The Boundary Layer in compact binaries
10.00  Robert Connan SMITH  Roche tomography of CVs

10.20  Coffee Break

Chairperson: ADA NEBOT

10.50  Kenji TANABE  Spherical and Spatial Distribution of WZ Sge Type Dwarf Novae
11.10  Mariko KIMURA  Unexpected Superoutburst and Rebrightening of AL Com in 2015
11.30  Elena PAVLENKO  New cataclysmic binary ASASSN-14fu: orbital and quasi-periodic variability
11.50  Keisuke ISOGAI  Research on Helium CVs: CR Boo and ASASSN-14ei
12.10  Giora SHAVIV  Long term evolution of CVs

12.30  END OF THE SESSION

Postponed talk of the
OPENING REMARKS Session

12.30  Takayuki HAYASHI  The impact of SUZAKU on the knowledge of CVs and expectation to ASTRO-H

13.00  End of the Postponed talk

13.00  INTERVAL

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Thursday 10 Afternoon

CLASSICAL NOVAE, RECURRENT NOVAE AND NOVA-LIKE STARS

Chairperson: ANNA PALA

17.00 Mariko KATO  Theory of classical nova - a review
17.30 Izumi HACHISU  A light curve analysis of slow novae - free-free emission vs photospheric emission
17.50 Przemek MROZ  Classical novae in OGLE data
18.10 Akira ARAI  Isotopic Ratios of $^{12}$C-$^{13}$C and $^{14}$N-$^{15}$N as Clues to Nucleosynthesis in Novae
18.30 Drahomir CHOCHOL  The classical nova V339 Del (Nova Del 2013)
18.50 Luca IZZO  The Nova V1369 Cen - A short review
19.10 Hideyo KAWAKITA  Dust grains in the molecular forming Nova V2676 Oph

19.30 INTERVAL

Thursday 10 Night

21.30 PERFORMANCE IN PALERMO

BACCO in TOSCANA
(dithyramb of Francesco Redi dated 1685)

By: Second Class Students of the INDA
(Istituto Nazionale del Dramma Antico) of SIRACUSA

Directed by: Flavia Giovannelli

END OF PERFORMANCE &

ETRUSCAN WINE PARTY

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Friday 11 Morning

CLASSICAL NOVAE, RECURRENT NOVAE AND NOVA-LIKE STARS

Chairperson: LINDA SCHMIDTOBREICK

09.00 Nataly KATYSHEVA  Search for Novae in M31 with small Telescopes
09.20 Alessandro EDEROCLITE  The Hunt for Old Novae
09.40 Irma FUENTES-MORALES  New spectroscopy of old novae
10.00 Claus TAPPERT  Classical Novae vs Cataclysmic Variables
10.20 Polina ZEMKO  Multi-mission observations of the old nova GK Per during the 2015 outburst

10.40 Coffee Break

Chairperson: CLAUS TAPPERT

11.10 Marina ORIO  Recurrent Novae – A Review
11.40 Ashley PAGNOTTA  Recurrent Nova Candidates: A Masquerade
12.10 Solen BALMAN  The recurrent nova T Pyxidis – A review
12.40 Martin HENZE  The first recurrent nova with 1 year recurrence time
13.00 Polina ZEMKO  Multifrequency Behaviour of Nova-like Systems

13.30 INTERVAL
Friday 11 Afternoon

**CLASSICAL NOVAE, RECURRENT NOVAE AND NOVA-LIKE STARS**

Chairperson: **Giora Shaviv**

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<tbody>
<tr>
<td>17.00</td>
<td>Joanna Mikolajewska</td>
<td>Symbiotic stars - a Review</td>
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<tr>
<td>17.30</td>
<td>Silvia Toonen</td>
<td>Supernova Type Ia progenitors. New insights from binary evolution</td>
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<td>18.00</td>
<td>Valery Chechetkin</td>
<td>Supernova explosion mechanism - Thermonuclear supernovae and core-collapse supernovae</td>
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<td>18.30</td>
<td>Marina Orii</td>
<td>Single-degenerate vs double-degenerate progenitor scenario of SNe Ia</td>
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<td>19.00</td>
<td>Pablo Rodriguez-Gil</td>
<td>Supernova Ia progenitor candidates in the core of planetary nebulae</td>
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19.20 END OF THE SESSION
Saturday 12 Morning

ONGOING EXPERIMENTS

Chairperson: PABLO RODRIGUEZ-GIL

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<td>09.00</td>
<td>Manabu ISHIDA</td>
<td>The ASTRO-H X-ray Astronomy Satellite</td>
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<td>09.20</td>
<td>René HUDEC</td>
<td>Study of Cataclysmic Variables with LDS Sky Surveys and ESA Gaia</td>
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<td>09.40</td>
<td>René HUDEC</td>
<td>CVs Astrophysics with LOBSTER and ESA LOFT</td>
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<td>10.00</td>
<td>Bruno Luigi MARTINO &amp; Memmo FEDERICI</td>
<td>UV2000: the hardware on which we implemented the porting of GFORC system (a Geant 4 Cluster)</td>
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10.20 END OF THE SESSION

Coffee Break

CONCLUDING REMARKS

Chairperson: MASSIMO DELLA VALLE

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12.10 END OF THE SESSION

CONCLUDING ADDRESS

12.10 Franco GIOVANNELLI

12.30 END OF THE WORKSHOP