

SUPERNOVA REMNANTS II

AN ODYSSEY IN SPACE AFTER STELLAR DEATH

3-8 June 2019, Chania, Crete, Greece



POSTERS

1SLIDE/1MIN ORAL PRESENTATIONS

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Venue: Minoa Palace Resort & Spa (Imperial Main Hall)

A conference organized by the National Observatory of Athens, Greece

CONFERENCE POSTERS
1 SLIDE/1MIN ORAL PRESENTATIONS
[PHD STUDENTS & YOUNG POSTDOCS]

MONDAY JUNE 03

Session 1: Observations and Classifications of SNe and SNRs

S1.1	C. Braun	An X-ray Imaging and Spectroscopic Study of the Supernova Remnant RCW 103 Using Chandra and XMM-Newton
S1.2	J. Devin	Fermi-LAT observations of the surprising SNR G150.3+4.5
S1.11	J. A. Kypriotakis	Mapping the Physical Properties of Supernova Remnants in our Galaxy
S1.14	I. Moumen	3D Optical Spectroscopic Study of NGC 3344 with SITELLE: I. Identification and Confirmation of Supernova Remnants
S1.16	P.-S. Ou	Structures of M33 Supernova Remnants Revealed by Broad-Band HST Images
S1.22	Z. Spetsieri	Supernovae, transients and high amplitude variables in the Hubble Catalog of Variables

Session 2: SN/SNR Progenitors: Models and Observations

S2.6	M. Diaz-Rodriguez	Progenitor Mass Distribution for Core-Collapse Supernova Remnants
S2.8	T. Jacovich	A Grid of Core Collapse Supernova Remnant Models Evolved from Massive Progenitors
S2.12	W. Li	Constraints on the ejecta properties of SN 2018oh with early excess emission from K2 Observation
S2.14	P.-S. Ou	Is There a Critical Metallicity of Mass Loss in Massive Star Evolution?
S2.15	R. Ouchi	Constraining massive star activities in the final years through properties of supernovae and their progenitors
S2.16	L. Sun	Spatially Resolved X-Ray Spectroscopy of Kepler's Supernova Remnant: Distinct Properties of the Circumstellar Medium and the Ejecta
S2.18	A. Yalinewich	The Signature of a Windy Radio Supernova Progenitor in a Binary System

TUESDAY JUNE 04

Session 3: Supernova Explosion Mechanisms

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|------|---------|-------------------------------------------------------------------------------------------------------------------|
| S3.1 | D. Alp | X-Ray and Gamma-Ray Emission from 3D Neutrino-Driven SN Simulations and Comparisons With Observations of SN 1987A |
| S3.3 | F. Lach | Type Iax Supernovae from Deflagrations of Chandrasekhar Mass White Dwarfs |

Session 4: Shock Physics and Particle Acceleration in SNRs

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| S4.4 | A. Bohdan | Physics of nonrelativistic perpendicular shocks of young supernova remnants: electron injection, energy redistribution and magnetic turbulences |
| S4.6 | V. Domček | Synchrotron radiation in Cas A: the non-linear connection |
| S4.16 | H. Suzuki | A systematic study on escaping of cosmic rays from SNR shocks through observations of thermal X-ray plasmas |
| S4.19 | V. Zekovic | Quasi-parallel collisionless shock (re)formation and particle acceleration by (non)resonant micro-instabilities |

Session 5: Supernova Ejecta and Dust

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| S5.4 | E. Greco | Studying the radiative recombination continua in the X-ray spectra of pure ejecta and of overionized plasmas |
| S5.6 | Y.-H. Lee | Near-Infrared Multi-Object Spectroscopy of the Outer Ejecta Knots in Cassiopeia A |
| S5.7 | M. Niculescu-Duvaz | Spatially resolved models of the dust in Cassiopeia-A using DAMOCLES |

Session 6: Pulsar Wind Nebulae

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| S6.5 | S. Hattori | NuSTAR Properties of G21.5-0.9 |
| S6.6 | J. Lee | Rapid X-Ray Variations of the Geminga Pulsar Wind Nebula |
| S6.8 | C. Omand | Submillimetre Constraints on the Pulsar-Driven SN Model |

Session 7: SNRs and Their Galaxies

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| S7.7 | I. Moumen | O CEASAR: The Optical Catalogue of Extragalactic Supernova Remnants |
| S7.9 | S. Sarbadhicary | Deep, systematic radio-based surveys of supernova remnants in M31 and Magellanic Clouds |

THURSDAY JUNE 06

Session 8: Magnetic Fields in SNRs and PWNe

- S8.1 A. Moranchel-Basurto Asymmetries in the emission from young supernova remnants: The case of Tycho

Session 9: Jets and Asymmetries in SNe and Their Remnants

- S9.1 E. Greco Discovery of a jet-like structure with overionized plasma in the SNR IC 443
- S9.2 M. Millard Measuring Ejecta Velocities in Tycho's and Kepler's Supernova Remnants with the Chandra HETGS
- S9.3 T. Nagao An extended aspherical explosion of a core-collapse supernovae
- S9.5 S. Ustamujic Three-dimensional MHD modeling of SNR IC 443: effects of the inhomogeneous medium in shaping the remnant morphology

Session 10: SNe and SNRs with circumstellar interactions

- S10.5 S. Derlopa SNR VRO (G 166.0 +4.3) 3-D morpho-kinematical model
- S10.10 Q.-C. Liu MCs toward SNR W50/SS 433
- S10.12 T. Matsuoka Millimeter Emission from SNe in the Very Early Phase: Implications for Dynamical Mass Loss of Massive Stars
- S10.16 A. P. Ravi The Latest Evolution in the X-ray Remnant of SN 1987A
- S10.17 P. Saha A study of Kepler supernova remnant: angular power spectrum estimation from radio frequency data
- S10.19 H. Yasuda Time evolution of broadband non-thermal emission from SNRs in different circumstellar environments
- S10.20 G.-Y. Zhang Non-equilibrium ionization in mixed-morphology SNRs
- S1.17 E. Paraskeva Early high-cadence monitoring of supernovae: key to identifying the progenitors



