

NEWSLETTER

Nepal Physical Society

Volume: 41, Issue: 5, July 2025

President's Message



Dear Esteemed Members of the Nepal Physical Society,

On behalf of the current Executive Committee of the Nepal Physical Society (NPS) and myself, it is my distinct pleasure to warmly welcome you all to the 41st General Convention of our Society. We take great pride in announcing the successful completion of the jointly organized scientific session with the Association of Nepalese Physicists in America (ANPA), which was held at the Central Department of Physics. This event was made possible through the dedicated efforts of the local organizing committee.

The International Space Weather Initiative (ISWI) School on Space Science 2024, an initiative launched by our predecessors, was conducted from 16th to 20th September 2024 at the Hyatt Regency, Kathmandu. The program benefited a total of 49 participants, including 32 from Nepal, 15 from India, and one each from Egypt and Kenya. We extend our heartfelt gratitude to the visiting experts and to WEB Surfer for generously sponsoring high-speed internet access. Additionally, NPS in collaboration with NAST hosted a public lecture by Prof. Dr. D. Pesnell on 18th September at the NAST Hall, which was attended by 65 participants. We are currently awaiting the final evaluation report from the Social Welfare Council (SWC).

In recognition of his lifelong contributions to physics education and leadership, NPS recently felicitated Dr. Narayan Hari Joshi, aged 92, former Principal of Amrit Campus and past President of NPS. The felicitation ceremony was held at his residence and was graced by the presence of former NPS President, Prof. Dr. Shekhar Gurung.

In celebration of UNESCO's declaration of 2025 as the International Year of Quantum Science and Technology (IQY2025), we have organized several lectures in collaboration with the Central Department of Physics. Esteemed speakers including Prof. Dr. Narayan Adhikary, Prof. Dr. Binil Aryal, Prof. Dr. Hari Lamichhane, and Dr. Sanju Shrestha presented insightful talks on quantum science and its technological applications. Furthermore, NPS supported the IQY2025 program organized by the IEEE EDS Nepal Chapter at Patan Multiple Campus.

With generous sponsorship from Rajarshi Janak University, we conducted a one-day lecture program on 27th April 2025 (14 Jestha 2082), featuring distinguished speakers Prof. Dr. Narayan Adhikari, Dr. Hari Shanker Mallik, and Dr. Manoj Kumar Yadav.

NPS proudly hosted the APS Global Summit, organized by the American Physical Society (APS), on 20th March 2025 at Hotel Himalaya. Sponsored with a grant of USD 3,000 by APS, the event featured nine oral and fourteen poster presentations by Nepalese researchers. The session was chaired by Prof. Dr. Sitaram Prasad Byahut and was viewed by an audience of 14,000 worldwide. Dr. Hari Dhakal, Chief Editor of Physical Review Materials, delivered an enlightening presentation on scientific writing and the peer review process. Awards were presented to the top three poster presenters. Of the 50 registered participants, 45 attended the summit.

Future Plans

- ANPA Conference scheduled for 19th July 2025 at the Central Department of Physics, Kirtipur
- Continued IQY2025 programs across various provinces in collaboration with universities and campuses
- A closing seminar at the end of 2025 to commemorate the IQY celebrations
- Ongoing regular activities and publications of the Nepal Physical Society

In conclusion, I would like to express my sincere appreciation to the Editorial Board for their dedicated efforts in publishing the Journal of NPS. Let us continue to work collaboratively to advance the frontiers of physics in Nepal.

With warm regards,

Prof. Dr. Pradeep Kumar Bhattarai
President, Nepal Physical Society

From the Editorial Board

It is with immense pleasure that the Editorial Board presents the forty-first volume of the Nepal Physical Society (NPS) Newsletter. This volume serves as a comprehensive summary of NPS's recent scientific endeavors, encompassing NPS news, insightful seminars, enriching talks and scientific visits, updates on physics-related developments, important meetings, and other valuable information for our esteemed members.

The past year has seen significant strides for the Nepal Physical Society under the leadership of our new Executive Committee, which was selected last year. Their dedication has been instrumental in furthering the objectives and expanding the reach of NPS activities across the nation. We look forward to their continued guidance and invite all members to join us for our Annual General Meeting (AGM) this coming Saturday, July 5th, 2025. This will be an important opportunity to engage with the committee and contribute to the future direction of NPS.

Beyond formal meetings, the past year has also been vibrant with community engagement. We fondly recall the delightful NPS picnic at Chobhar, which brought together physicists and their families for a day of recreation and relaxation amidst nature's beauty and lots of fun. Furthermore, NPS was proud to host an impactful APS Satellite event at Hotel Himalaya on March 20, 2025, as part of the American Physical Society's (APS) Global Physics Summit. This significant event provided a unique opportunity for physicists, researchers, and students in Nepal to engage directly with cutting-edge global physics research. Through live-streamed sessions and local discussions, it served as a crucial platform for knowledge exchange, networking, and strengthening our

ties with the international physics community. These events exemplify our commitment not just to academic advancement but also to fostering a strong, supportive, and social environment within our physics community.

Our commitment to nurturing young talent in physics remains a core focus and for this, we have been investing our efforts on the activities like the Nepal Physics Olympiad (NePhO) and the preparation of students for the International Physics Olympiad (IPhO), continually seeking to encourage student participation and provide valuable guidance throughout the selection process. We extend our sincere gratitude to all professors, faculties, and NPS members who contribute tirelessly to this vital initiative, inspiring the next generation of physicists. Our recent meeting with physics teachers was also a valuable step in strengthening our collaborative efforts for student development.

NPS is also dedicated to advancing physics research through our peer-reviewed research journal, the "Journal of Nepal Physical Society (JNPS)". We are highly committed to enhancing the quality and ensuring the timely publication of JNPS, further solidifying its position as a reputable platform for scientific dissemination in Nepal.

On behalf of the entire Nepal Physical Society, the Editorial Board would like to express our sincere gratitude to all NPS members for their invaluable support in the publication of this issue. Your continued engagement and contributions are vital to our collective success. The Editorial Board always welcomes constructive feedback for the continuous improvement of our publications in the incoming issues. Finally, we highly value your comments, queries, suggestions, and correspondences, as they help us to better serve our community.

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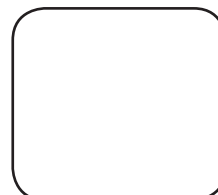
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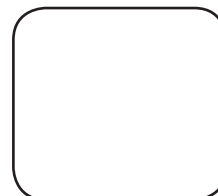
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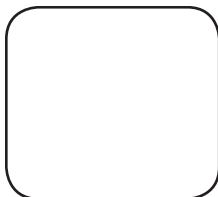
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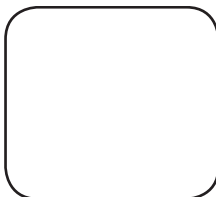
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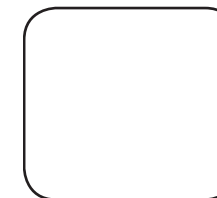
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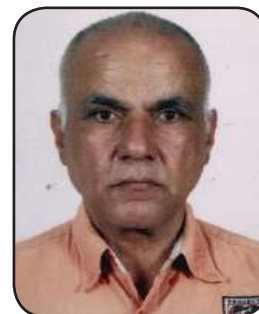
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NPS executive committee has formed the NPS division based on research field of interest to promote the collaborative research work in the physics community.

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Publication of Journal of Nepal Physical Society (JNPS)

The Nepal Physical Society (NPS) has released the first, and second issue of the tenth volume of the Journal of Nepal Physical Society (JNPS), 2024. The primary objective of this journal is to contribute to the process of knowledge-building on experimental, theoretical, and simulation works by providing a platform for scholarly discussion on the roles of researchers and reviewers.

The JNPS contains original and relevant manuscripts from various fields of research in physics. NPS

encourages everyone to support its endeavor to promote and disseminate knowledge derived from research activities in physics. NPS acknowledges and expresses gratitude to all the contributors who have made this issue a success. In particular, the reviewers are recognized for their valuable suggestions and feedback. The NPS editorial board welcomes comments, queries, suggestions, and correspondence to improve the quality of JNPS.

Collaboration between NPS and ANPA

Nepal Physical Society (NPS) and Association of Nepali Physicists in America (ANPA) have signed on MoU (Memorandum of understanding) with purpose of creating a framework for collaboration and cooperation between the two organizations via mutual

sharing of scientific and technological ideas and expertise to better serve Nepali scientific diaspora. Public talks were co-organized by Nepal Physical Society and Association of Nepali Physicists in America (ANPA) on different dates in different topics.

Nepal Physics Olympiad (NePhO) Activity

Prof. Dr. Pradeep Bhattarai, president of Nepal Physical Society and Dr. Hari Shankar Mallik, former secretary of the society led a group of participants to the 54th International Physics Olympiad, held in France in 2024. A one-day orientation program for physics teachers was organized at Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu on 25th January, 2025. The program aimed at providing valuable information and ideas to the participants which would benefit their students in the selection process and preparations for the Nepal Physics Olympiad and the International Physics Olympiad. NePhO – 2024/2025 pre-selection (province level). Test was conducted by Nepal Physical Society on 8th February, 2025 results possible. Nepal Physical Society (NPS) has formed its sister organization Nepal Physics Olympiad.

(NePhO) committee and entrusted it with organizing a national level Physics Olympiad for secondary level (+2) and A-level science students. The committee prepares a team for the participation in International/Asian Physics Olympiad (IPhO/APhO) events to be held every year.



Date: 12 March 2025
We are pleased to announce the publication of the NePhO-2025 result held on 8 February 2025 in all 7 provinces of Nepal. The Academic Committee has worked diligently to ensure the accuracy and quality of the report. Despite our best efforts to make the document error-free, we acknowledge that the final decision rests with the NePhO-2025 Academic Committee, whose database and findings are definitive and final. The list of top 22 students are as follows.

S.N.	Name of candidate	Exam Center Province	Marks Obtained	National Level Rank
1	Anang Gupta	Bagmati	74.5	1
2	Siddhant Giri	Bagmati	71.0	2
3	Rakesh Mahara	Sudurpashchim	69.5	3
4	Akhilesh Kumar Yadav	Bagmati	66.5	4
5	Ashish Bhattarai	Bagmati	65.5	5
6	Aashish Adhikari	Gandaki	65.0	6
7	Sonik Bhusal	Bagmati	63.5	7
8	Saurya Shrestha	Bagmati	63.0	8
9	Anup Kumar Aryal	Bagmati	61.0	9
10	Jayesh Malla	Gandaki	62.0	10
11	Nikhil Shrestha	Lumbini	60.5	11
12	Sudesh Acharya	Gandaki	59.5	12
13	Arij Pokhrel	Gandaki	58.5	13
14	Aashish Kumar Sah	Bagmati	58.0	14
15	Niyam Upreti	Bagmati	57.5	15
16	Fajal Dhakal	Bagmati	57.0	16
17	Ram Kumar Sah	Bagmati	57.0	17
18	Anam Pradel	Bagmati	55.0	18
19	Anmol Saha	Bagmati	55.0	19
20	Ashim G.T. Thapa	Gandaki	55.0	20
21	Mahesh Bhatta	Sudurpashchim	54.0	21
22	Sahit Dhungana	Bagmati	53.5	22

*The provincial results will be released soon.

We extend our best wishes to all the top 22 participants and look forward to seeing you in the second round of NePhO-2025.

Secretary
Manoj Kumar Thakur

The top five students selected from NePhO are eligible to participate in IPhO/APhO. The NePhO participants should be below 20 years of age and should not be enrolled in any Bachelors level program. The competition is designed to test the understanding of physical principles and to apply them in practical situations. The best pre-selected students will be given tutorials and training before the final selection of the participants for IPhO/APhO events. The best five students from the final selection will be given an intensive tutorial and training for the participation in IPhO/APhO events.



नेपाल भौतिक विज्ञान समाज
Nepal Physical Society
Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal



17th Nepal Physics Olympiad (NePhO) -2025
Final Selection test result for 55th IPhO 2025, France

Name	Marks obtained/200	School name
Abhishek Kumar Yadav	156.5	St. Xavier's College, Maitighar, Kathmandu
Sudesh Acharya	145.5	Motherland Secondary School, Pokhara
Anup Kumar Ayadi	140.5	Budhanilkantha School, Kathmandu
Saksham Giri	139.0	Kathmandu Model Secondary School, Kathmandu
Mukesh Bhatt	135.5	Radiant Secondary School, Mahendranagar, Kanchanpur



APS 2025 Global Physics Summit – Satellite Event in Nepal

On March 20, 2025, the Nepal Physical Society successfully hosted a satellite event of the American Physical Society (APS) 2025 Global Physics Summit in Kathmandu, Nepal. The event, aligned with the celebration of the International Year of Quantum Science and Technology (IYQ) 2025, featured oral and poster presentations from researchers across diverse areas of physics. The session particularly highlighted cutting-edge advancements in quantum technologies, fostering interdisciplinary dialogue and international collaboration. With limited participation, the event offered a focused platform for scientific exchange, and participants expressed appreciation for the opportunity to engage in a global physics initiative locally.

Satellite event under the auspices of the American Physical Society's (APS) 2025 Global Physics Summit

Thursday, March 20, 05:30 - 07:30 PDT / 18:15 - 20:15 GMT+5:45, Kathmandu Nepal

Nepal Physical Society invites you to submit abstracts for oral and poster presentations. We encourage submissions on a wide range of topics. We particularly encourage submissions that highlight the latest advancements and applications of quantum technologies to mark **International Year of Quantum Science and Technology (IYQ) 2025**.

Abstract Submission Guidelines:

- Format:** Please submit your abstract in **Word format**, Font / size : Times New Roman /12 and justified.
- Length:** Abstracts are limited to approximately 1,300 characters.
- Content:** Abstracts should clearly state the research question, methodology, key findings, and conclusions.
- Submission:** Please submit your abstract electronically to nepalphysicsociety2022@gmail.com

➤ **Abstract Submission Deadline:** 7 Dec 2024

➤ Acceptance of abstract will be notified through email

➤ Very limited seats are available

नेपाल भौतिक विज्ञान समाज
Nepal Physical Society
Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal

Nepal Physical Society-Picnic

The NPS Picnic Program was held on Falgun 17, 2081, at the Chobhar-6, Kirtipur. The event fostered camaraderie among physicists of all generations, creating a relaxed environment for meaningful conversations and networking.

Attendees enjoyed a range of fun activities, from team games and cultural performances to a shared lunch amidst greenery. The picnic not only served as a social gathering but also helped strengthen the community spirit within the Nepal Physical Society.



Festivals Greetings Exchange Program 2081

The Nepal Physical Society organized a vibrant greeting exchange event to mark Dashain, Tihar, Nepal Sambat, and Chhath Puja celebrations. Held on Ashoj 14, 2081 (Monday) at Tri-Chandra Campus, the event served as a warm platform for members to share festive wishes and strengthen personal and professional bonds. Through symbolic gestures, light-hearted interactions, and festive imagery, the event honored Nepal's cultural diversity and seasonal harmony.



New Year 2081 Greetings Exchange Program

To welcome the Nepali New Year 2082, NPS hosted a virtual greeting exchange event on Baisakh 2, 2082 (April 15, 2025), from 7:00 to 8:00 PM via Google Meet. Members and well-wishers gathered online to exchange blessings and best wishes for peace, prosperity, and success in the coming year. The program embodied unity, optimism, and the spirit of renewal, with heartfelt messages expressing hopes for dreams fulfilled and joyful lives ahead.



नेपाल भौतिक विज्ञान समाज
Nepal Physical Society
Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal

शुभकामना आदान प्रदान कार्यक्रममा

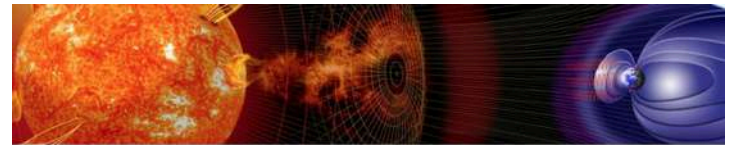
सवैमा नयाँ वर्ष २०८२ को हार्दिक मंगलमय शुभकामना। यो नयाँ वर्षले तपाईंको जीवनमा सुख, शान्ति, समृद्धि र सफलता लिएर आओस्। तपाईंको हरेक सपना साकार होस् र तपाईंको जीवन खुशीले भरिपूर्ण होस्। नयाँ वर्षले हामी सबैलाई नयाँ ऊर्जा र उत्साह प्रदान गरोस्।

मिति: २ बैशाख, २०८२, मंगलवार
समय: साँझ ७ देखि ८ बजेसम्म
प्लेटफर्म: <https://meet.google.com/app-yagu-pgw>

आयोजक
नेपाल भौतिक विज्ञान समाज

International School on Space Weather Initiatives (ISWI-2024)

The Nepal Physical Society (NPS) proudly hosted the International School on Space Weather Initiatives (ISWI-2024) for the first time in Nepal from September 16–20, 2024, in Kathmandu. This landmark event, held under the SCOSTEP/ISWI framework, brought together international experts, young researchers, and students to explore cutting-edge topics in space weather, heliophysics, and atmospheric science. The program featured lectures, hands-on training, and collaborative discussions aimed at building regional capacity in monitoring and understanding solar-terrestrial interactions. NPS gratefully acknowledges the SCOSTEP/ISWI Host Grant support for making this educational milestone possible.




नेपाल भौतिक विज्ञान समाज
Nepal Physical Society
Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal

International Space Weather Initiative (ISWI)
School on Space Science – Nepal 2024

From the Sun's interior to the end of the heliosphere
सप्लाशरन्ध्र सूर्यमध्यमतः सूर्यवर्गण संवत्सम

September 16-20, 2024
Hyatt Regency, Kathmandu, Nepal

CENTER FOR ASTROPHYSICS
HARVARD & SMITHSONIAN

SCOSTEP
Scientific Committee on Solar-Terrestrial Physics

UNIVERSITY OF CALGARY



Nepal's Celebration of the International Year of Quantum Science and Technology 2025

In honor of the International Year of Quantum Science and Technology (IYQ 2025) and the centenary of quantum mechanics, multiple impactful events were organized across Nepal, highlighting the nation's active participation in the global quantum dialogue. In March 7, 2025, the Central Department of Physics at Tribhuvan University, in collaboration with the Nepal Physical Society, hosted a one-day seminar in Kirtipur that traced the historical evolution of quantum mechanics and highlighted its impact on modern fields such as quantum computing and communications.

A half-day Distinguished Lecture on April 2, 2025, at Patan Multiple Campus brought together 56 researchers, faculty, and students to hear Prof. Yogesh Singh Chauhan of IIT Kanpur discuss FinFETs for RF SoCs, followed by talks from Prof. Hari Prasad Lamichhane and Dr. Sanju Shrestha on key quantum-mechanical concepts and their device-level implementations.

And, on April 27, 2025, Rajarshi Janak University and the Nepal Physical Society jointly celebrated "100 Years of Quantum" at the Monastic College of Management & Technology in Janakpur. The public event featured lectures, panel discussions, and interactive virtual quantum experiments, drawing educators, students, and enthusiasts to commemorate a century of quantum discovery and look ahead to future breakthroughs.

Celebrating International Year of Quantum Science and Technology 2025

One Day Seminar on Quantum Mechanics & Technology

Speakers

			
Prof. Dr. Narayan Prasad Adhikari Head, CDP, TU	Prof. Dr. Binil Aryal CDP, TU	Prof. Dr. Hari P. Lamichhane CDP, TU	Dr. Sanju Shrestha CDP, TU

Topic: Quantum Mechanics & Technology: Yesterday, Today and Tomorrow

Topic: Exploring Quantum Realities: A Glimpse into the Future of Science and Technology

Topic: Quantum mechanics Experiments at CDP, TU

Topic: Quantum Mechanics and Low- Dimensional Devices

100 YEARS OF QUANTUM IS JUST THE BEGINNING

Venue: Seminar Hall
Central Department of Physics
Tribhuvan University, Kirtipur
Date: 7 March 2025
Time: 13:00 NPT

Organized by
Central Department of Physics
Tribhuvan University
Nepal Physical Society

IEEE NEPAL CHAPTER

International Year of Quantum 2025: Quantum Applications

April 2, 2025
Organized by:
IEEE, EDS Nepal Chapter

A Half Day Talk cum Distinguished Lecture
By: Prof. Yogesh Chauhan Prof. Hari Prasad Lamichhane, Dr. Sanju Shrestha

Time: 12:30- 4 PM
Venue: Seminar Hall, Economics Department
Patan Multiple Campus, Patandhoka, Lalitpur

Supported by:
Patan Multiple Campus
Nepalese Society for Women in Physics
Nepal Physical Society

Celebrating International Year of Quantum Science and Technology 2025

Highlights:
Public Talk on Quantum Mechanics & Technology Virtual Quantum Experiments

Panel discussion on Current scenario of Science and Technology

Resource Person

							
Prof. Dr. P. K. Shrestha Professor, NPS	Prof. Dr. R. P. Adhikari Head, CDP, TU	Dr. M. K. Thakur Research Scientist, RJU	Dr. A. K. Jha Dean, POSTE, RJU	Dr. D. Thakur TU	Dr. H. S. Malik TU	Dr. M. K. Thakur Secretary, NPS TU	Dr. M. K. Thakur TU

100 YEARS OF QUANTUM IS JUST THE BEGINNING

Venue: Monastic College of Management & Technology
Bhanu Chowk, Janakpur
(Affiliated to RJU)

Date: 27 APRIL 2025
Time: 10:30 NPT
बैशाख १४, २०८२
(आइतबार)

Organized by
Rajarshi Janak University
Nepal Physical Society

Congratulations

NPS would like to express a wholehearted congratulation and extend best wishes to recently PhD graduates in Physics from Nepal.

Dr. Gang Bahadur Acharya
Dr. Bhogendra Kathayat
Dr. Roshan Chalise
Dr. Bidhya Thapa
Dr. Arun Kumar Shrestha
Dr. Sanjay Kumar Sah
Dr. Nepal Rama Devi
Dr. Ram Babu Ray
Dr. Prakash Man Shrestha
Dr. Sajan Shrestha
Dr. Chavi Gyawali
Dr. Bishnu Kumar Dahal

Congratulations to Dr. Bedraj K.C.

The Nepal Physical Society extends heartfelt congratulations to Prof. Dr. Bedraj K.C. on his appointment as Vice-Chancellor of Pokhara University. A lifelong member of the Society and Vice President of its Lumbini Unit, Dr. K.C.'s distinguished leadership and academic stature are deeply respected. We wish him great success and impact in this esteemed role.



Congratulations to Dr. Narayan Prasad Adhikari

Congratulations to Prof. Dr. Narayan Prasad Adhikari—life member of the Nepal Physical Society, former General Secretary, and Chair of the NePhO 2025 Steering Committee—on his appointment as Head of the Central Department of Physics at Tribhuvan University and his selection as an Institute Associate of ICTP in recognition of his mentorship, conference organization, and training of scientists in the developing world. We applaud these dual achievements and wish him great success and impact in both roles.



Congratulations to Dr. Usha Joshi

The Nepal Physical Society congratulates Dr. Usha Joshi on her appointment as Acting Campus Chief of Patan Multiple Campus. A lifelong member of the Society and respected academic, Dr. Joshi's leadership is warmly welcomed. We extend our best wishes for a successful and impactful tenure.



Congratulations to Dr. Hom Bahadur Baniya

The Nepal Physical Society congratulates Dr. Hom B. Baniya on his appointment as Campus Chief of Amrit Science Campus. A distinguished physicist, educator, and past Editor-in-Chief of the NPS Newsletter, Dr. Baniya's leadership and commitment to science education will undoubtedly inspire innovation and academic growth at ASCOL.



Congratulations to Dr. Daya Nadhi Chhatkuli

The Nepal Physical Society congratulates Dr. Daya Nadhi Chhatkuli on his appointment as Assistant Campus Chief of Tri-Chandra Multiple Campus and his globally recognized research on galaxy evolution, published in the Journal of the Korean Astronomical Society. His study, featured in Phys.org and MSN, elevates Nepal's scientific reputation. We wish him continued success.



Congratulations to Dr. Vijay Kumar Jha

The Nepal Physical Society extends warm congratulations to Dr. Vijay Kumar Jha, a life member of the society, on his appointment as the Assistant Campus Chief of Amrit Science Campus (ASCOL). We wish him continued success in his leadership journey and future academic endeavors.



Congratulations to Dr. Dipendra Parajuli

The Nepal Physical Society proudly congratulates Dr. Dipendra Parajuli, esteemed life member and former Vice President of the Nepal Physical Society, on receiving the prestigious Technology Award. This honor recognizes his outstanding contributions to energy storage and nanotechnology research at the Research Centre for Applied Science and Technology (RECAST), Tribhuvan University. We celebrate his remarkable achievements and wish him continued success and impact in advancing scientific innovation.



Tribhuvan University Research Excellence Award 2025 – Dr. Madhav Ghimire Honored

The Nepal Physical Society extends its heartfelt congratulations to Associate Professor Dr. Madhav Ghimire on receiving the prestigious Tribhuvan University Research Excellence Award 2025. This honor recognizes his significant contributions to scientific research and his dedication to promoting academic excellence in the field of physics. Dr. Ghimire's work continues to set a high standard for research and scholarship in Nepal. We wish him continued success and greater achievements in the years ahead.



Honoring Prof. Dr. Narayan Hari Joshi's Enduring Legacy in Physics

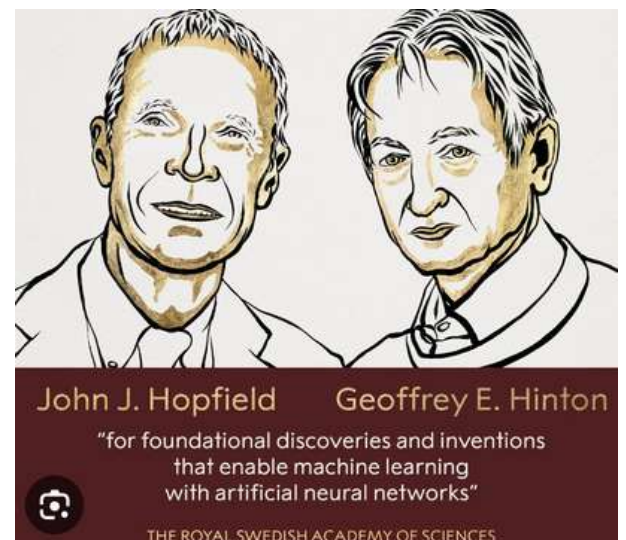
On Falgun 3, 2081, the Nepal Physical Society had the privilege of honoring Prof. Dr. Narayan Hari Joshi, former Principal of Amrit Science Campus, distinguished academician of NAST (formerly RONAST), and former Head of the Central Department of Physics, Kirtipur. Celebrating his remarkable contributions to the field of physics, the Society proudly draped a ceremonial shawl as a gesture of deep respect and admiration.

At the venerable age of 93, Prof. Joshi's enduring love for physics and his reflections on contemporary challenges remain profoundly relevant. His unwavering dedication continues to serve as a source of inspiration for the academic community. We extend our heartfelt wishes for his continued good health and happiness in the days ahead.



The Nobel Prize in Physics 2024

The Nepal Physical Society congratulates John J. Hopfield, Geoffrey E. Hinton, and Yann LeCun for receiving the 2024 Nobel Prize in Physics. This year's award recognized their groundbreaking contributions to the development of artificial neural networks — the backbone of today's machine learning revolution. John Hopfield's theoretical model linking physics and neuroscience laid the foundation for neural computation, while Hinton and LeCun's pioneering work advanced deep learning and backpropagation techniques. Their discoveries have reshaped fields from image recognition to language modeling, reflecting how fundamental physical and biological insights can spark transformative technologies.



Obituary & Memorial: Prof. Sridhar Ram Joshi

The Nepal Physical Society organized a Condolence Program to honor the memory of **Prof. Sridhar Ram Joshi**, a respected member of the physics community. The event served as a space for colleagues, students, and friends to express their sorrow and reflect on his contributions to science and education. Heartfelt tributes were offered, recognizing his academic dedication and warm presence. The society extends its deepest sympathy to his family and loved ones.



Obituary: Bibek Pangen

The Nepal Physical Society expresses deep sorrow at the untimely demise of **Mr. Bibek Pangen**, a dedicated and promising member of our physics community. His passion for science and kind spirit will be fondly remembered. We extend our heartfelt condolences to his family and friends.



Obituary: Ramesh Shakya

The Nepal Physical Society expresses deep sorrow at the untimely demise of **Ramesh Shakya**, a dedicated and promising member of our physics community. His passion for science and kind spirit will be fondly remembered. We extend our heartfelt condolences to his family and friends.



Acknowledgements

International School on Space Weather (ISWI)

Nepal Physical Society is highly appreciative of Websurfer's crucial role in providing internet and other necessary connectivity for the International School on Space Weather (ISWI-2024), which took place from September 16-20, 2024 in Kathmandu.

Association of Asia Pacific Physical Societies (AAPPS)

Nepal Physical Society is grateful to the Association of Asia Pacific Physical Societies (AAPPS) for its invaluable support. The waiver of USD 500 membership fee was instrumental, significantly bolstering our capacity to deliver impactful physics outreach programs to the community.

Publication Partner

Nepal Physical Society is deeply grateful for the unwavering support it receives from various publications across Nepal, including Sukunda Publications, as well as from numerous academic institutions. Their collective backing has been instrumental in the success of our society's initiatives, including the Nepal Physics Olympiad (NePhO) and the International Physics Olympiad (IPhO).

American Physical Society (APS)

Nepal Physical Society extends its gratitude to the American Physical Society for providing USD 3,000 in financial support for a satellite event of the APS 2025 Global Physics Summit, held in Kathmandu on March 20, 2025.

Special Thanks , Hari Dahal

Nepal Physical Society extends its sincere thanks to Dr. Hari Dahal, Chief Editor of Physical Review Materials, for his insightful presentation on Purpose-Led Publishing, the peer-review process, and the engaging panel discussion. His valuable contributions provided a deep and clear understanding of the publication landscape.



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P.O. Box: 2934

Tri-Chandra College,
Ghantaghar, Kathmandu, Nepal

E-mail: info@nps.org.np

URL: www.nps.org.np

