

ENSEMBLE

Newsletter of the Indo-French Centre for the Promotion of Advanced Research

www.cefipra.org

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CELEBRATING 25 YEARS OF SIGNING OF INDO-FRENCH STRATEGIC PARTNERSHIP



CEFIPRA

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From Director's Desk



Prof. Nitin Seth
Director, CEFIPRA

Dear Readers,

Greetings from CEFIPRA!

It gives me immense pleasure to connect with all of you through this first newsletter of 2024 of CEFIPRA! I am delighted to extend my warmest greeting to all and wish everyone a very Happy, Healthy, Joyful & Prosperous New Year! The beginning of 2024 marks not only a continuation of our mission but also an opportunity to reflect on our achievements and pave new exciting paths ahead, to more deepen the Indo-French S&T collaboration through CEFIPRA.

I am happy to share that the new year has commenced on a remarkable note for CEFIPRA with the esteemed State Visit of French President H.E. Mr. Emmanuel Macron to India for its 75th Republic Day celebrations in January 2024. Earlier CEFIPRA was reflected on the visit of the Hon'able Prime Minister of India, Mr. Narendra Modi, to France for the Bastille Day in 2023. These events commemorated the 25th Anniversary of signing of India-France strategic partnership, highlighting the significance of our collaboration.

Both leaders expressed their satisfaction with the Indo-French Joint Committee Meeting on Science and Technology held in India on 18th Jan. 2024, where CEFIPRA also participated. They appreciated the signing of implementing agreements between DST & ANR. Four priority areas: Decarbonized Hydrogen, Applied Mathematics, Health & Marine Sciences were considered for enhancing bilateral Indo-French Cooperation. Additionally, they agreed to substantially increase CEFIPRA's funding & enhance scholarship programmes to facilitate research scholar' exchanges between institutions on both sides.

We are grateful for this recognition and looking forward to continue our efforts in strengthening scientific ties between India & France.

My sincere & heartfelt thanks to my Co-Chairs, Prof. Abhay Karandikar & Mr. Matthieu Peyraud, for their continued precious directions, guidance & invaluable support, and cooperation in leveraging CEFIPRA to the next level, and my gratitude to the esteemed members of the Governing Body, Finance Sub-Committee, Scientific Council & Industrial Research Committee for their tremendous support & cooperation. My sincere thanks to H.E. Dr. Thierry Mathou, the Ambassador of France to India & H.E. Mr. Jawed Ashraf, the Ambassador of India to France.

My special thanks to Dr. Praveen Kumar Somasundarm & Dr. Rajiv Kumar from DST, Mme. Valérie Brisset, Mme. Audrène and Mr. Lionell of MEAE, Dr. Nicolas Gherardi & Dr. Didier Raboisson from French Embassy for trusting CEFIPRA and helping in more visibility, impactful S&T cooperation and support on the new initiatives. Thanks to all PIs of the CSR & IARDP programmes and Alumni of CEFIPRA for their huge contributions. The programmes of CEFIPRA could not have touched the zenith of such success without the guidance, active participation and boundless support of all of them.

I'm confident that you find this newsletter captivating and enriching. Dive in and uncover the marvels within!

Happy Reading!

NEW DIRECTIONS & APPRECIATIONS BY LEADERS

- “The two leaders welcomed the holding of the Joint Committee Meeting on Science and Technology earlier this month, and signing of implementing agreements between Department of Science and Technology and French National Research Agency, to facilitate research collaborations in a broad range of areas of emerging priorities for the two countries, including in Energy, Applied Mathematics, Health and Marine sciences.”
- “They also agreed to substantially increase the funding of CEFIPRA and promote through expanded scholarship programmes the exchange of research scholars between institutions on both sides.”

(Ref.point no.33 of the India-France joint statement)



Welcome/Bienvenue



**Dr. Praveen Kumar
Somasundaram**

CEFIPRA Team extends a heartfelt welcome to Dr. Praveen Kumar Somasundaram, Head, International Cooperation Division, DST, as a new member of Finance Sub-Committee (FSC) of CEFIPRA

Good Bye/Au Revoir



Dr. S.K. Varshney

CEFIPRA conveys its thanks for the valuable support & cooperation to Dr. S.K. Varshney, during his tenure as Head, International Cooperation Division, DST, & as a member of Finance Sub-Committee (FSC) of CEFIPRA

Cultivating Triumphs

CEFIPRA's Visibility & Success through its Media Platforms

- 50-60% increase in receipt of scientific project proposals under CSRP due to more dissemination of programmes and activities of the Centre & effective outreach of CEFIPRA, through its active presence in social media platforms.
- Visibility of CEFIPRA – 180+ scientific knowledge dissemination videos at dedicated Youtube Channel

MEETINGS

19th Meeting of the Finance Sub-Committee (FSC) at MEAE, Paris, France 23rd April, 2024



CEFIPRA successfully organized its 19th Financial Sub-Committee (FSC) meeting on 23rd April, 2024 at French Ministry of Europe and Foreign Affairs (MEAE), Paris, France, under the esteemed chairmanship of Shri Vishvajit Sahay, AS & FA, DST and attended by representatives of DST, French Embassy, Ministry of Europe and Foreign Affairs and Prof. Nitin Seth, Director CEFIPRA convened the meeting along with CEFIPRA officials. The Chair, FSC and other members whole heartedly appreciated efforts CEFIPRA is making in smoothening the system and its new initiatives.



MEETINGS

37th Meeting of the Governing Body (GB) at MEAE, Paris, France 25th April, 2024



The 37th Governing Body (GB) meeting of CEFIPRA successfully held on 25th April, 2024 at French Ministry of Europe and Foreign Affairs (MEAE), Paris, France. The meeting was co-chaired by Prof. Abhay Karanidkar, Secretary, DST, India & on behalf of French Co-Chair Mme. Valérie Brisset, Deputy Director of Cultural Diplomacy, Ministry of Europe and Foreign Affairs (MEAE), France. Indian & French GB members, representatives from DST, French Embassy in India, Indian Embassy in France, along with high officials of Ministries and Institutes of France also participated in this meeting. Prof. Nitin Seth, Director CEFIPRA convened the meeting along with CEFIPRA officials.

During the 37th GB, the Annual Report (2023-24) & Scientific Publications (2023), of CEFIPRA were released.

Mme. Valérie Brisset extended hearty congratulations to the Director, CEFIPRA for the achievements made by CEFIPRA over the last 2 years, in terms of improvement of quick & transparent processes, efficiency as well as enhanced visibility resulting the Centre meeting the International standards.

Prof. Abhay Karanidkar also indicated that CEFIPRA is a good example of bilateral cooperation and CEFIPRA has added a great value to Indo-French S& T cooperation with 37 years of existence in which over 700 projects have been supported, over 5000 joint publications have been emanated.



SEMINARS/WORKSHOPS



Indo-French Conference "Fostering Catalysis for Societal Benefit (FCSB-2024)" at University of Hyderabad (15th-17th Jan. 2024)



Indo-French Workshop on AI Application in Understanding the Human Brain at KLEF Univ. in Vijayawada, Andhra Pradesh (19th-21st Feb. 2024)



Indo-French Seminar "Waves & instabilities on Fluid Interfaces" at IIT Bombay (28th-29th February, 2024)

SEMINARS/WORKSHOPS



Indo-French Seminar on “Making Smart Irrigation Affordable for Small Farmers via Machine Learning at Amrita Vishwa Vidyapeetham, Coimbatore (15th-17th March, 2024)



Indo-French Seminar on “Sustainability Transitions in Agri-food systems” at IHC, New Delhi, Roorkee and Haridwar (18th-21st March, 2024)



Indo-French Seminar on “Advances in Robust Nonlinear Control for Uncertain Dynamic Systems: theory and applications” at IIT Roorkee (15th-19th April, 2024)



Indo French Workshop on Marine Science and Technology - Collaborative Research Directions and Outcomes for India and France” at IIT Goa (17th-19th April, 2024)

Indo-French Joint Committee of Science and Technology (JCST)



The 2nd Meeting of the Indo-French Joint Committee of Science and Technology (JCST) was held on 18th January, 2024 at Translational Health Science and Technology Institute (THSTI), NCR Biotech Science Cluster, Faridabad, India. The meeting was Co-Chaired by Prof. Abhay Karandikar, Secretary, Department of Science & Technology (DST), Ministry of Science & Technology, India and Dr Claire Giry, Director General for Research and Innovation at the French Ministry of Higher Education & Research (MESR), France.

The Committee discussed ways of catalysing a stronger & rejuvenated Indo-French scientific partnership. The Committee highlighted the success of the CEFIPRA as a model catalyst of Indo-French collaboration & discussed stepping up research partnership in new age technologies.

During the meeting, the following priority areas were decided for CEFIPRA :-

- i) Decarbonized Hydrogen
- ii) Applied Mathematics
- iii) Health
- iv) Marine Sciences.

Key Interactions & Visibility

Way Forward



Dr. Claire Giry, DG, MESR, Mr. Patrick Nedéllec, Delegate for European & International Affairs, MESR and Mrs. Valérie Brisset of Deputy Director of Cultural Diplomacy, MEAE visited CEFIPRA premises along with the officials of French Embassy, engaging in fruitful discussions for the future directions of bilateral Indo-French ST&I cooperation



Prof. Nitin Seth, Director, CEFIPRA along with Dr. Rajiv Kumar, Scientists 'F', International Cooperation Division, DST visited Nagaland University. During the visit, they engaged in productive discussions & interactions with the dynamic faculty members. This visit contributes to further enhancing the scope of acquiring quality scientific projects from Nagaland University



Interactive session at Bangalore on the way forward for women scientists/researchers and overall Indo-French Science & Tech cooperation through CEFIPRA on 2nd Feb. 2024



The Indian delegation led by Prof. Abhay Karandikar, Secretary Department of Science & Technology (DST), Indian-Co-Chair, CEFIPRA along with Mr. Vishvajit Sahay, AS & FA, DST, Dr. Praveen Kumar Somasundaram, Head, International Cooperation Division, DST, Prof. Nitin Seth, Director, CEFIPRA, visited Indian Embassy Paris and had impactful discussions with H.E. Mr. Jawed Ashraf, Ambassador of India to France & other officials for more deepening & strengthening the bilateral S&T relations



Impactful discussion meeting of Indian delegation with at Mme. Honorata Plewinska at ANR on 24th April, 2024



The Indian delegation led by Prof. Abhay Karandikar, Secretary Department of Science & Technology (DST), Indian-Co-Chair, CEFIPRA & along with Mr. Vishvajit Sahay, AS & FA, DST, Dr. Praveen Kumar Somasundaram, Head, International Cooperation Division, DST, Prof. Nitin Seth, Director, CEFIPRA, Dr. Nicolas Gherardi and Dr. Meenakshi Singh from French Embassy visited INRIA & had successful meeting with Dr. Bruno Sportisse, CEO, INRIA; Mme. Cécile Vigouroux, Director of International Relations & Mr. Thomas Amand of INRIA also joined the meeting on 25th April, 2024.



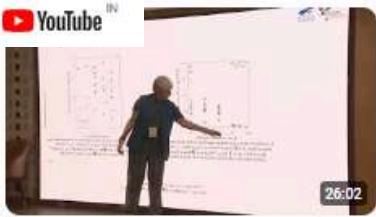
The Indian delegation led by Prof. Abhay Karandikar, Secretary Department of Science & Technology (DST), Indian-Co-Chair, CEFIPRA & along with Mr. Vishvajit Sahay, AS & FA, DST; Dr. Praveen Kumar Somasundaram, Head, International Cooperation Division, DST; Prof. Nitin Seth, Director, CEFIPRA along with Mme. Audrène, MEAE & Dr. Nicolas Gherardi of French Embassy visited MESR had impactful discussions with Dr. Claire Giry, DG, MESR and other officials on 25th April, 2024



Prof. Nitin Seth, Director, CEFIPRA along with Dr. Praveen Kumar Somasundaram, Head, International Cooperation Division, DST, visited INRAe & had successful meeting with Dr. Ségolène Halley & Dr. Edmond Rock, INRAe on 26th April, 2024

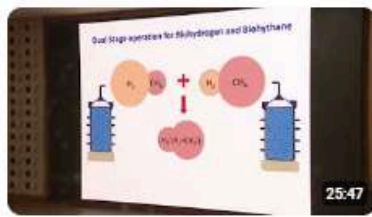
CEFIPRA in Media

Highlights



Hydrogen IC Engine Research at University of Orléans

25 views • 1 month ago



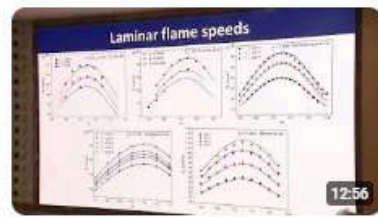
Enabling Low-Carbon Biohydrogen Production through Biorefinery

5 views • 1 month ago



Methanol Economy for India: Prospects and Challenges

27 views • 1 month ago



Exploring the Antagonistic Effect of Methanol in Surrogate Fuel

14 views • 1 month ago



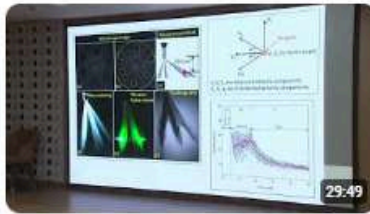
Measuring Deep Tissue Blood Flow using Kaser Speckles by Dr. Hari M. Varma

7 views • 1 month ago



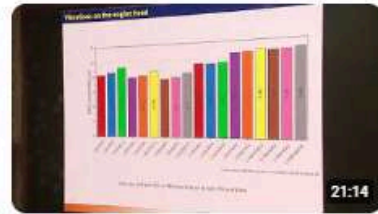
Methanol/DI-Methylether (DME) Dual Fuel RCCI Combustion Engine

9 views • 1 month ago



Talk by Dr. Nikhil Sharma

9 views • 1 month ago



Impact of Hydrogen Supplementation of CI Engine Emissions

20 views • 1 month ago

IIT Roorkee organizes all IITs International Relations Conclave

Published on November 13, 2023



APN NEWS

Roorkee: The International Relations Conclave, a highly influential platform for all the Indian Institutes of Technology is dedicated to fostering discussions on the internationalization of higher education at IITs. This Conclave was organized at the esteemed IIT Roorkee campus, and the proceedings of IR Conclave unfolded on November 6 and 7, 2023. The remarkable event of IR Conclave 2023 brought together a diverse array of stakeholders address the multifaceted challenges inherent in international education collaboration. It provided a platform for thought leaders, experts, and representatives from academia and funding agencies to engage in extensive dialogues on the strategies of internationalization within the Indian Institute of Technology system. This event was designed to encourage collaboration, knowledge sharing, and collective brainstorming on matters of paramount significance in the realm of internationalization of higher education.

The inaugural session of the event was graced by a distinguished panel of dignitaries, including Prof. K. K. Pant (Director, IIT Roorkee); Dr. S. K. Varshney (International Cooperation, Department of Science and Technology); Nitin Seth (Director, Indo-French Centre for Promotion of Advanced Research – IFCPAR / CEFIPRA); Dr. B. Chandrasekar (Executive Director, Corporate Planning, EdCIL (India) Limited, a Mini Ratna Category - CPSE); C. Srivastava (Dean, International Relations) and Prof. Ankit Agarwal (Organizing Secretary, IR Conclave).

IIT Goa workshop boosts India's Blue economy plans

The workshop's focus on collaborative research is expected to accelerate advancements in crucial marine science and technology sectors



It was funded by the Indo-French Center for Promotion of Advanced Scientific Research (CEFIPRA) which is a joint Indo-French body funded by the governments of India and France.

The workshop resulted in a meeting of GOAT (Goa Atlantic) partnership which is headed by IIT Goa and has several academic and research institutions from the East region of France.

Ministry of Science & Technology

2nd Indo-French Joint Committee of Science and Technology (JCST), paves way for renewed scientific co-operation

Posted On: 18 JAN 2024 8:39PM by PIB Delhi

The second meeting of the Indo-French Joint Committee of Science and Technology (JCST) which took place today, discussed ways of catalysing a stronger and rejuvenated Indo-French scientific partnership.

The Committee was co-chaired by Prof. Nitay Karandikar, Secretary for the Department of Science and Technology (DST), Ministry of Science and Technology, Government of India and Dr. Claire Guy, Director General for Research and Innovation at the French Ministry of Higher Education and Research.

Prof. Karandikar highlighted the success of the CEFIPRA model as a catalyst of Indo-French Collaboration and said that it could help step-up research partnerships in new age technologies like AI, CPS, health, clean energy, AI, quantum technologies, and advanced materials. He also underscored the need for more collaborations between the scientists and entrepreneurs of the two countries.

सागरी संशोधन क्षेत्रात भागीदारीला चालना

आयआयटी गोवातर्फे भारत-फ्रान्स कार्यशाळा : अर्थव्यवस्थेसंदर्भात विविध उपक्रम

भारत-फ्रान्स संशोधन अधिक पत्रव्यवस्था

आयआयटी गोवातर्फे भारत-फ्रान्स कार्यशाळा आयोजित करण्यात आली आहे. या कार्यशाळात अर्थव्यवस्थेसंदर्भात विविध उपक्रम चर्चा करण्यात येईल. या कार्यशाळात भागीदारीला चालना देण्यासाठी भारत-फ्रान्स संशोधन अधिक पत्रव्यवस्था (आयआयटी) अस्तित्वात आली आहे. या कार्यशाळात भागीदारीला चालना देण्यासाठी भारत-फ्रान्स संशोधन अधिक पत्रव्यवस्था (आयआयटी) अस्तित्वात आली आहे.

CEFIPRA's Upcoming Events

- 72 Scientific Council (SC) Meeting (10-12 June, 2024) & 40th Industrial Research Committee (IRC) meeting (13-14 June, 2024) of CEFIPRA at Toulouse, France
- Indo-French Seminar on "Improving Crop Growth & Productivity under Changing Environmental Conditions" at ENS, Lyon (30-31 May, 2024)
- Indo-French Workshop on "Topology and Entanglement in Quantum Matter 2023" at University of Toulouse, France (3-7 June, 2024)
- Indo-French workshop on Two Dimensional Ferroic Materials and devices at Strasbourg, France (27-28 June, 2024)
- Indo-French workshop "Genomics & Omics Strategies to Target Drug Resistant Malaria" at Institut Jean Roget, Grenoble (1-2 July, 2024)
- Stay tuned with CEFIPRA website & social media for the upcoming exciting CEFIPRA's programmes/events/call for projects.

CALLS OPEN FOR CEFIPRA PROGRAMMES

- Call for Proposal under Industry-Academia Research & Development Programme (IARDP): Project Proposal/Seminar/ Workshop
Deadline: 31st May 2024
- Call for Proposal under Collaborative Scientific Research Programme (CSR): Project Proposal/Seminar/ Workshop
Deadline: 31st May 2024

[For more details, visit www.cefipra.org](http://www.cefipra.org)

Indo-French Centre for the Promotion of Advanced Research/Centre Franco Indien pour la Promotion de la Recherche Avancée (IFCPAR/CEFIPRA) is a model for international collaborative research in advanced areas of Science & Technology. The Centre was established in 1987 being supported by Department of Science & Technology, Government of India and the Ministry for Europe & Foreign Affairs, Government of France.



Indo-French Centre for the Promotion
of Advanced Research
Centre Franco-Indien pour la
Promotion de la Recherche Avancée

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