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CPTEn Newsletter

CPTEn 
Centro Paulista de Estudos da Transição Energética

Energy transition to move the world

The year 2025 started with good news at the São Paulo Center for Energy Transition Studies (CPTEn). In this edition: Unicamp's ecological corridors project is recognized in a sustainability award; drone radar technologies are featured in *Pesquisa Fapesp* magazine; a book about the *Olhos no Futuro* project is part of a new series on university extension; and the International Symposium on the Internet of Things - SIoT 2025 is coming soon.

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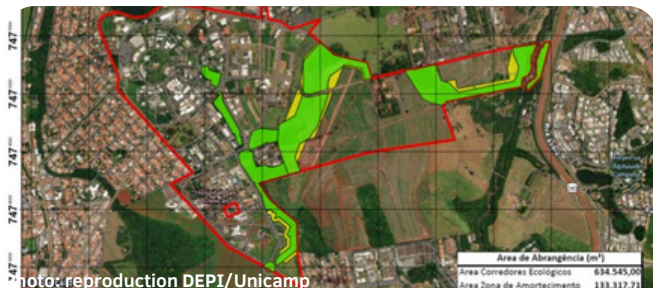


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Unicamp's Ecological Corridors Project Recognized in Sustainability Award

The project to implement ecological corridors at the Zeferino Vaz campus won the Best Practices Award 2024. According to Thalita Dalbello, Sustainability Coordinator at the Executive Board for Integrated Planning (DEPI) and associate researcher at CPTEn, the project was conceived in the mid-2000s by veterinarian Paulo de Tarso, who serves as Coordinator of the Animal Monitoring Center within the Environmental Division (DMA) of the University Administration.

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Photo: Radaz

Pesquisa Fapesp: Drone-Mounted Radar Facilitates Agricultural Monitoring

In agriculture, drones spread seeds or fertilizers with precision, saving both time and money. When combined with sensors and artificial intelligence, they can perform remote sensing—similar to satellites and airplanes—monitor large plantations, conduct detailed analyses of soil chemical elements, and detect issues such as erosion. One of the most advanced techniques in this field, known as Synthetic Aperture Radar (SAR), has been enhanced by Radaz, a startup founded in 2017 at Unicamp and now based in São José dos Campos.

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Photo: Lucio Camargo/SEC Unicamp

Book on the *Olhos no Futuro* Project Becomes Part of a New Series on University Extension

On March 21, the official launch of nine titles approved under the "*Pesquisa e ensino na extensão universitária da Unicamp*" (2024/2025) call for proposals took place. The initiative is a partnership between Unicamp Press and the Office of the Vice Provost for Extension, Sports, and Culture. The event was held at the Unicamp Faculty Association headquarters and was attended by the authors of the selected works. Among the newly launched titles is the book "*Princípio educativo e práticas extensionistas do Programa Olhos no Futuro*", organized by researcher Danúzia Arantes (FEEC) and professors Roberta Ceriani (FEQ) and Luiz Carlos Pereira (FEEC), Director of CPTEn.

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Photo: Campus Sustentável/Unicamp

The International Symposium on the Internet of Things – SIoT 2025 Is Coming Soon

Researchers and students at all levels working in the field of the Internet of Things (IoT) are invited to participate and present their research at the International Symposium on the Internet of Things – SIoT 2025. The event will take place from October 14 to 16, 2025, in a hybrid format, with in-person activities held at Unicamp's Barão Geraldo campus in Campinas. Submissions are open until June 23.

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