

**Ştefan-Dominic Voronca, post-doctoral researcher and Sonja Kallio, PhD student, both part of the ICube Génie civil et énergétique (GCE), Axe Energétique research team, have obtained the award for the best communication of the “Renewable Energy Systems, Power System and Electrical Engineering” session in the 7<sup>th</sup> International Conference on Sustainable and Renewable Energy Engineering ICSREE 2022.**

The ICube and INSA Strasbourg research unit has participated in the organizing of the International Conference ICSREE 2022: 7<sup>th</sup> International Conference on Sustainable and Renewable Energy Engineering which took place from the 5<sup>th</sup> to the 7<sup>th</sup> of May 2022, in a virtual setup.

The thirty-nine presentations organized in the five oral sessions allowed researchers from the entire world (Chile, China, Cyprus, Egypt, France, India, Indonesia, Italy, Kazakhstan, Mauritius, Mexico, Morocco, Panama, Peru, Poland, Portugal, Romania, Saudi Arabia, Spain, Sweden, Thailand, Turkey and United Kingdom) to exchange on the subject of developing Renewable Energies.



In this conference, several researchers of the Energétique department of the research team Génie civil et énergétique (GCE) of ICube presented their work: Ştefan-Dominic Voronca and Sonja Kallio as part of the Interreg ACA-MODES project, Safaa Lahayrech, Wael Zeitoun and Jian Lin.

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Their article “Simulating ON-OFF Regimes on a Micro-CHP Using Biomass” presents the results of the Interreg ACA-MODES projects on the systems of micro-cogeneration which use biomass as a renewable energy. The scientific manager of INSA in the Interreg ACA-MODES project is Professor Monica Siroux.

**ICSREE 2022**

## 1. Introduction · Context

**A Renovation Wave for Europe - greening our buildings, creating jobs, improving lives**

**Stepping up Europe's 2030 climate ambition - Investing in a climate-neutral future for the benefit of our people**

**Double annual energy renovation rates**

1. Residential sector to reduce energy demand in heating and cooling by  $-19 \div -23\%$
2. Annual replacement of heat producing equipment rate of 4%
3. Share in renewables to reach  $38 \div 42\%$

**INSA** | INSTITUT NATIONAL DES SCIENCES APPLIQUÉES STRASBOURG | **Interreg** | **ACA-MODES**

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Monica Siroux, Conference chair, thanks her colleagues who contributed to the organization and to the success of this conference.

Text: Monica Siroux

Photos: ICSREE, Sonja Kallio, Ștefan-Dominic Voronca