

Task 63

Fall School 2022 – Solar Neighborhood Strategies & Concepts

Preparations for the second Fall School of SHC Task 63 on Solar Neighborhood Planning are underway. The main objective of the course is to introduce and discuss various strategies and methods to assess and evaluate solar neighborhood strategies and concepts from different perspectives and standpoints

Presentations and discussions will serve as the groundwork to better understand the various perspectives that should be considered when selecting a neighborhood's passive and active solar strategies. These perspectives can encompass life cycle analysis, solar technologies integration, techno-economic aspects, simulations and multi-criteria solutions, impact on energy goals and sustainable developments, and other practical, social, and technical aspects. The preliminary list of potential topics includes,

1. Status of solar technologies deployment and 100% renewables
2. Life cycle of solar technologies and impact
3. Socio/economic aspects
4. PV and solar thermal collector integration in buildings
5. Neighborhood simulations to analyze different solar strategies
6. Overview of various strategies and applications
7. Technologies and sustainable developments – case study from an industry perspective

What makes this “school” unique is that it draws from the expertise of the participants in SHC Task 63 and other prominent people in various fields of solar energy applications (including simulations). Students will learn from those working in industry, academia, and research institutions.

The Fall School will be a 5-day course with student presentations on the last day during the SHC Task 63 meeting in Calgary, Canada. The first four days (September 6, 8, 13, and 15) will be online and the last in-person day will be a showcase of the students' work and a networking opportunity with the SHC Task participants. Students will work in groups on a project that explores the integration of various solar technologies and strategies while analyzing differing perspectives of those who would be involved in the decision-making process.

Ph.D. students and Advanced Master's students are welcome.

For more information, contact Dr. Caroline Hachem-Vermette at the University of Calgary, caroline.hachem@ucalgary.ca.