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## **CONCEPTUAL DESIGN OF A SOLAR THERMAL SYSTEM WITH DISH SOLAR COLLECTORS**

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### **Abstract**

In order to comply with the 20-20-20 Directive, by which every EU member state has pledged to produce 20% of the energy by using renewable sources, solar energy for heating became a much addressed to topic, as a viable and up-scalable option. Research is devoted to increasing the efficiency while reducing the production costs and the development of novel solar thermal systems with dish collectors can contribute with innovative solutions. Thus, the first step in the development process, the conceptual design of a solar thermal system with dish solar collector used for heating is presented in the paper. This solar thermal system will be implemented in Brasov area.

*Key words:* conceptual design, dish collector, solar thermal system

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