

## عنوان مقاله:

Simulation and modeling methods of Earth-Air Heat Exchanger

## محل انتشار:

پنجمین کنفرانس بین المللی فناوری و مدیریت انرژی با رویکرد پیوند انرژی، آب و محیط زیست (سال: 1397)

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## خلاصه مقاله:

Present research paper studied different methods of modeling EAHE systems as the simple way to use geothermal energy with the advantages of not limited to the season, time, and conditions and also it can be non-stop operation. As the creating and checking all the parameters together can be very difficult and time consuming, modeling and simulation is a proper solution for energy systems and prediction of the operating parameters' effects on the thermal performance and heating/cooling capacity. This study conducted on simulation and modeling of Earth-Air Heat Exchanger systems as divided into the categories, namely, one, two and three-dimensional models and CFD simulation of EAHE systems.

## کلمات کلیدی:

.CFD, EAHE, Geothermal Energy, Simulation

## لینک ثابت مقاله در پایگاه سیویلیکا:

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