

**AN ASSESSMENT OF ADVANCED SYSTEMS DESIGNS
FOR WATER AND SPACE HEATING**

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ABSTRACT

The intent of this paper is to present the results of a study undertaken by the Solar Energy Research Institute in 1987 to identify those ideas which could enhance the acceptability of solar space and domestic hot water heating by the public. A series of two questionnaires were prepared. The first was to solicit industry and researcher perception of the problems faced by the solar industry and to obtain specific technical solutions. Nearly half of the over 100 questionnaires distributed were completed. Once the responses to the first questionnaire were tabulated and analyzed, a second questionnaire was prepared that asked the reviewer to rate ideas which had been identified by the first questionnaire as being technical solutions. Twenty-two industry respondents and seven researchers from SERI responded to the second questionnaire. The results show a high correlation as to what both industry and researchers think will succeed. Researchers tended to be more optimistic as to the potential success of various technical solutions.