

PROCEEDINGS OF THE FOURTH
SEDE BOQER SYMPOSIUM ON
SOLAR ELECTRICITY PRODUCTION

1 - 2 OCTOBER 1991

Editor

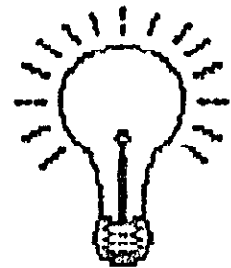
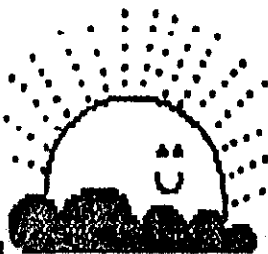
D. FAIMAN

Organized by :

The Center for Energy and Environmental Physics
The Jacob Blaustein Institute for Desert Research
Ben - Gurion University of the Negev

Under the patronage of:

Ben - Gurion University of the Negev
The Blaustein International Center for Desert Studies
The International Solar Energy Society (Israeli Section)
The Israel Ministry of Energy and Infrastructure
The Israel Electric Corporation Ltd.



INTRODUCTION

This year the (fourth) Sede Boqer Symposium on Solar Electricity Production was held in the auditorium of the *Ben Gurion National Solar Energy Center*, a new name for the test facility which the Ministry of Energy and Infrastructure opened in 1987 and which was formally handed over to Ben Gurion University, by Minister Prof. Yuval Ne'eman, during the opening session of the symposium. The scroll of dedication is reproduced here together with a response, on behalf of the University, by Prof. Amos Richmond the director of the University's Jacob Blaustein Institute for Desert Research.

This year's three keynote speakers were Prof. Yuval Ne'eman the Israel Minister for Energy & Infrastructure and Science & Technology; Dr. Wilfried Grasse of the German Aerospace Research Establishment and director of Plataforma Solar de Almeria, Spain; and Dr. V. Vernon Risser, president of Daystar Inc., Las Cruces, New Mexico. The texts of their lectures are reproduced in these proceedings, together with transcriptions of the discussion session which followed each presentation.

The texts of a number of invited short talks have also been printed, notably those by: Mr. Amnon Einav, Chief Scientist at the Ministry of Energy & Infrastructure; Dr. Irwin Spiewak and Mr. Gideon Carmel of the Ministry of Energy & Infrastructure; Dr. Dan Weiner of the Israel Electric Corporation; and the editor. Extended abstracts are reproduced for some of the posters that were presented at the symposium.

The spirit of this year's symposium was seriously dampened by the absence of Luz Corporation and by the sad financial plight that had recently befallen this pioneering company. An outline of the history of Luz from its conception to its present questionable status was presented by Mr. Dan Shilo of the Ministry of Energy & Infrastructure and, in the concluding lecture, delivered by Dr. Harry Tabor, the demise of Luz was set within the wider context of the outlook for solar electric power.

The following organizations sponsored this year's symposium: The Ministry for Energy & Infrastructure; the Israel Electric Corporation; the Blaustein International Center for Desert Studies; and the Israel Section of the International Solar Energy Society. The symposium organizers are indebted to them for their support.

The Center for Energy and Environmental Physics
November 1991

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