

**Conf. Dr. Cotfas Daniel Tudor**

**Titlul tezei de abilitare: Metode și sisteme electronice pentru caracterizarea celulelor fotovoltaice**

**Domeniul: Inginerie Electronică, Telecomunicații și Tehnologii Informaționale**

## LISTA DE LUCRĂRI

### LUCRĂRI RELEVANTE

1. D.T. Cotfas, A.M. Deaconu, P.A. Cotfas, Application of successive discretization algorithm for determining photovoltaic cells parameters, Energy Conversion and Management 196, 545-556, 2019.
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5. D.T. Cotfas, P.A. Cotfas, S. Kaplanis, Methods to determine the dc parameters of solar cells: A critical review, Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588-596.
6. D.T. Cotfas, P.A. Cotfas, O.M. Machidon: Study of Temperature Coefficients for Parameters of Photovoltaic Cells, International Journal of Photoenergy, 2018.
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9. S. Mahmoudinezhad, S. Ahmadi Atouei, P.A. Cotfas, D.T. Cotfas, L.A. Rosendahl, A. Rezanian, Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid system, Energy Conversion and Management 184, 448-455, 2019.
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### TEZA DE DOCTORAT

Investigation on parameters affecting the photoconversion efficiency in Pv-cells based on Si and CdTe

### CERERE BREVETE

1. Metodă și dispozitiv de testare accelerată a timpului de îmbătrânire a celulelor fotovoltaice - ARCL
2. Sistem hibrid PV/TEG/STC pentru încălzire a apei dintr-o piscină

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#### ARTICOLE PUBLISHATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

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2. D. T. Cotfas, P. A. Cotfas Comparative study of two commercial photovoltaic panels in natural sunlight conditions Alternative Energy Sources, Materials & Technologies (AESMT'18), May, Plovdiv, Bulgaria.
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