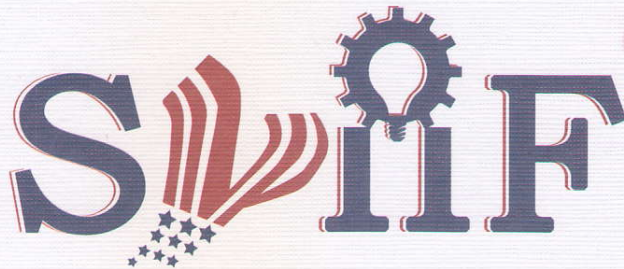


DIPLOMA



SILICON VALLEY INTERNATIONAL INVENTION FESTIVAL

AMERICA'S LARGEST INNOVATION EXPOSITION

Having undertaken a comprehensive assessment,
the Jury has decided to award

Said El Beid, Abdelkhalek Chellakhi, Cadi Ayyad University,
Marrakesh Morocco

For the invention

Maximum power point tracking device for a photovoltaic
system using an adjustable step size approach under
varying atmospheric conditions

The President of the Jury
John Calvert



SILVER MEDAL

The President of the IFIA
Alireza Rastegar



National Patronage



INTERNATIONAL FEDERATION
OF INVENTORS' ASSOCIATIONS
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International Patronage



SANTA CLARA, CALIFORNIA, USA

August 09, 2025