**BENMOUIZA Khalil**

* Marital status : **Single.**
* Nationality : **Algerian.**
* Date of birth  : **26/02/1989.**
* Place of birth: : **Laghouat; Algeria.**
* E-mail **:** [**benkhalil3@gmail.com**](mailto:benkhalil3@gmail.com)
* Phone **: +213 778738556**
* Adress **: 72 Cite Makder, Laghouat**

**Qualifications & Educational Background**

May 2016 Director of Support Centre for Technology and Innovation (CATI) of Laghouat.

September 2015 Associated Professor in the University of Laghouat, Algeria

May 2015 PhD degree in physics of renewable energies from Tlemcen University, Algeria

**PhD thesis title** *Quantification of solar radiation in Algeria, application to the sizing of photovoltaic systems*

**June 2011** Master Degree in science and technology Field of Automatic. Laghouat University

**Dissertation title** *Direct torque and flux control (DTC) applied to a solar tracker to optimize solar panels efficiency*

**2011** Spanish language: Intensive Learning Center of Languages (C.E.I.L)-Laghouat.

**2009-2011** English language: Intensive Learning Center of Languages (C.E.I.L)-Laghouat.

**June 2009** Graduation degree in science and technology in field of Electrotechnic. Laghouat University

**2006-2008** Science and technology.

**June 2006** Bachelor in sciences.

**Publications**

* **Khalil Benmouiza**, Mohammed Tadj, Ali Cheknane. Classification of hourly solar radiation using c-means algorithm for optimal stand-alone PV system sizing. International Journal of Electrical Power & Energy Systems. Volume 82, 2016, Pages 233-241 ( Elsevier )
* **Khalil Benmouiza**, Ali Cheknane. [Forecasting hourly global solar radiation using hybrid k-means and nonlinear autoregressive neural network models](http://www.sciencedirect.com/science/article/pii/S0196890413003749). Energy Conversion and Management, Volume 75, November 2013, Pages 561-569 ( Elsevier )
* **Khalil Benmouiza**, Ali Cheknane. [Small- scale solar radiation forecasting using ARMA and nonlinear autoregressive neural network models](http://www.sciencedirect.com/science/article/pii/S0196890413003749). Theoretical and Applied Climatology, April 2015, Pages 1-14 ( Springer )
* Mohammed Tadj , **Khalil Benmouiza**, Ali Cheknane, Santiago Silvestre. [Improving the performance of PV systems by faults detection using GISTEL approach](http://www.sciencedirect.com/science/article/pii/S0196890414000740). Energy Conversion and Management, Volume 80, April 2014, Pages 298-304 ( Elsevier )
* Mohammed Tadj , **Khalil Benmouiza**, Ali Cheknane. [An innovative method based on satellite image analysis to check fault in a PV system lead–acid battery](http://www.sciencedirect.com/science/article/pii/S1569190X1400104X) . Simulation Modelling Practice and Theory, Volume 47, September 2014, Pages 236-247 ( Elsevier )
* **K.Benmouiza** , M.Tadj , A, Cheknane , Classification of hourly solar radiation using k-means and Fuzzy c-means algorithms , Third international conference in renewable energies . 13-14 Octobre 2014, Ghardaia, Algérie.

* **K.Benmouiza** , M.Tadj , A, Cheknane , Classification of hourly solar radiation using c-means algorithm for optimal stand-alone PV system sizing , Salon national de la valorisation des résultats des programmes nationaux de recherche. 8-9 Avril 2014 , Oran, Algérie.
* **K.Benmouiza** , Direct torque and flux control ( DTC ) applied to a solar tracker to optimize solar panels efficiency , Salon national de la valorisation des résultats des programmes nationaux de recherche. 13-14 Juin 2012 , Oran, Algérie.

**Submitted papers**

* **Khalil Benmouiza**, Aicha Chemseddine , Ali Cheknane. Minimization of energy consumption in winter of a bioclimatic building based on heat balance study and optimal stand-alone PV systems sizing using loss of load probability method. Building simulation ( under review),( Springer , 2015).

**Experiences**

**September 2014** **Practicum**: Universitat Politècnica de Catalunya, Departament d'Enginyeria Electrònica,

**March 2009 Practicum** : as trainer with Sonatrach ( gaz & oil Algerian national company)-Laghouat, Algeria.

**Skills**

**Office – Computer** : Operating system (soft, hard) (windows, lunix), office tools (Word, Excel, PowerPoint…). Programming: Pascal, matlab, labview

**Managerial**: Team management, project evaluation, the investment decision, motivated, optimist, pertinent,determinated .

**Communication**: Open-minded, good listener, good speaker .

**Staff** : Rapid assessment of personal skills, ability to learn new areas, team work, an artistic view in presentations (Word, PowerPoint).

**Languages :**

**Arabic** mother tongue .

**English** good level (reading, writing, speaking).

**Spanish** acceptebale level.

**French** good level (reading,writing, speaking).

**Other things**

**Interests** reading, research and scientific literature, watching documentaries, global issues, computers, economics, sport.

**Sports** football, tennis.

**Driving license**