

Said CHKIR

Curriculum Vitae

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D.O.B :1974 June 06



Education

- 2006–2010 **Ph.D**, *Arts et Métiers ParisTech*, Paris-France, .
Energy Engineering. Dissertation: FR “Contribution à l’Etude Aérodynamique d’Une Eolienne Par Une Méthode De Sillage Libre “ EN “ Free Wake Method For Modeling Wind Turbine”
- 2002–2004 **Master**, *Department of Mechanical Engineering, Poitiers University*, Poitiers-France, .
M.E Dissertation: FR" Contribution a l’Intégration De La Commande d’Une Main Mécanique et à la Gestion De Son Exosquelette Sous Le Logiciel CAO-SMAR” EN “ Contribution to Integration Of A Main Mechanics Control Under The CAD-Software SMAR”
- 1993–1998 **Diploma of Mechanical Engineer**, *5 Years Undergraduate Program, Department of Mechanical Engineering, Damascus University*, Damascus-Syria, .
Design & Production Engineering

Academic & Professional Employment

- 2019.1–Now **Assistant Professor**, *Department of General Mechanics Engineering, Damascus University*, Damascus, Syria.
- 2017–2019.1 **Adjunct Professor**, *Shanghai University of Engineering Sciences*, Shanghai, China.
- 2016–2018.5 **Researcher**, *Department of Electron, Computer and Electrical Engineering, Shanghai Jiao Tong University*, Shanghai, China.
- 2010–2016 **Assistant Professor**, *Department of General Mechanics Engineering, Damascus University*, Damascus, Syria.
- 2010–2016 **Assistant Professor**, *Department of Mechanical Engineering, As-Suwayda University*, As-Suwayda, Syria.
- 2010–2016 **Assistant Professor**, *Department of Environmental Sciences, Faculty of Science, Damascus University*, Damascus, Syria.
- 2003–2009 **Teaching Assistant**, *ERDT, Arts et Métiers ParisTech*, Paris, France.
- 1998–2003 **Mechanical Engineer**, *Ministry of Irrigation*, Damascus, Syria.

Honors & Awards

- 2015–2018 **Talented Young Scientist Program Fellowship**, *Shanghai Jiao Tong University*, Shanghai, China.
- 2012–2015 **Talented Young Scientist Award**, *Damascus University*, Syria.

Teaching Experience

	Academic year	Institution	Course
Undergraduate	2018-2019	Lawrence Tech- SUES	Introduction to Thermodynamics
	2018-2019	Lawrence Tech- SUES	Basis of Manufacturing Engineering Process
	2017-2019	Lawrence Tech- SUES	Engineering Materials
	2017-2018	Lawrence Tech- SUES	Technical and Professional Communication
	2017-2018	Lawrence Tech- SUES	Fundamentals of Mechanical Design
	2017-2018	Lawrence Tech- SUES	Introduction to Engineering Projects
	2017-2018	Lawrence Tech- SUES	Fluid Mechanic I
	2016-2018	MU-SJTU Joint Institute	Engineering Project Management
	2017-2018	Lawrence Tech- SUES	Automotive Marketing
	2010-2015	Damascus University, Depart. of M. E	Wind Energy I-II
	2010-2014	Damascus University, Depart. of M. E	Instrumentation and Measurement Systems
	2010-2014	Damascus University, Depart. of M. E	Descriptive Geometry
	2010-2014	Damascus University, Depart. of M. E	Renewable Energy I-II
	2013-2015	Department of Environmental Sciences	Sustainable Energy I-II
	2010-2016	Damascus University, Depart. of M. E	Advanced Fluid Mechanics
Graduate	2010-2014	Damascus University, Depart. of M. E	Wind Energy Aerodynamics
	2010-2014	Damascus University, Depart. of M. E	Advanced Energy Solutions
	2012-2015	Damascus University, Depart. of M. E	Engineering & Design

Refereed Journal Paper

- [1] Chkir, Said . "*Unsteady Loads Evaluation for a Wind Turbine Rotor*". Energy Procedia Journal 6 (2011): 777-785
- [2] Chkir, Said, et al. "*Unsteady Loads Evaluation for a Wind Turbine Rotor.*" Diagnostyka Journal (2009): 17-22

Submitted Journal Paper

- [1] Chkir, Said and Weidong Zhang. "*Wake Prediction of Horizontal Axes Wind Turbine Based on Free Wake Method*". Renewable Energy Journal
- [2] Chkir, Said and Weidong Zhang. "*An Assessment of Renewable Energy Potential for Electricity Generation in Al-Hijana Site, Syria.*" Renewable and Sustainable Energy Reviews

International Conferences

- [1] S. CHKIR, "*Free Wake Method For Modeling The Flow Past A Horizontal Axis Wind Turbine*", 3ième Congrès International Conception et Modélisation des Systèmes Mécaniques CMSM'2009
- [2] Chkir, Said , "*Unsteady Loads Evaluation for a Wind Turbine Rotor* ", 5th International congress for South-East Europe. NDK, Sofia, Bulgaria. 6 – 8 April 2009 5

- [3] Chkir, Said , "*Unsteady Loads Evaluation for a Wind Turbine Rotor*", Egypt renewable energy congress 2009. 23 – 25 April 2008
- [4] Chkir, Said , "*Évaluation des performances d'une éolienne à axe horizontal par une méthode du sillage libre*", Congrès CIGRE_ENSH Blida. 16-77 décembre 2008
- [5] Chkir, Said , "*The Quest of Sustainable Energy Policy in the Middle East and North Africa*", FES RSS Energy international Conference November 2010 Moevenpick-dead Sea - Jordan
- [6] Chkir, Said , "*Development of Free Vortex Wake Model for Wind Turbine Aerodynamics under Yaw Condition*", 1ère Conférence Franco-Syrienne sur les énergies renouvelables Damas – du 24 au 28 Octobre 2010
- [7] S. CHKIR, "*Free Wake Method For Modeling The Flow Past A Horizontal Axis Wind Turbine*", International Conference on Energy, Environment and Sustainable Development (EESD 2011)- Shanghai, China.

Books

(Accepted for publication) S. CHKIR, "Alternative Energy I", for third year undergraduate Students of Department of Environmental Sciences, Damascus University .

Additional Training and Experience

- 2010.1 **ParisTech, Paris, France.**, *Practice Management.*
- 2009.10 **Department of Mathematics, Statistics and Computer Science, University of Cantabria, SPAIN**, *Mathematical Modelling and Numerical Simulation In Science and Technology. Numerical Analysis and control in Fluids.*
- 2008.7 **IDEAL Research. Imperial College London, UK.** , *Managing projects. Building successful working relationships. Succeeding in collaborative research. Intercultural awareness. European doctoral research. Research ethics .*
- 2008.9 **Arts et Métiers ParisTech, Paris, France.**, *SMI - Sciences des Métiers de l'Ingénieur :Wind and Solar energy.*
- 2007.1 **Arts et Métiers ParisTech, Paris, France.**, *Numerical Simulation in Science and Engineering: The Past, Present and Future .*
- 2006.10 **ParisTech, Paris, France.**, *Drive a team, Economic Intelligence & Strategic.*

Mentoring / Advising

- 2010-2015 **Supervised undergraduate students in the final year engineering projects** , *Department of Mechanical Engineering , Damascus University.*
- 2012-2015 **Supervised graduate Master students in the master engineering research projects** , *Department of Mechanical Engineering , Damascus University.*
- 2012-2015 **Supervised undergraduate students in the final year engineering projects**, *Department of Environmental Sciences, Faculty of Science.*

2008-2010 **Advising undergraduate students in the final year engineering projects** , *ERDT, Arts et Métiers ParisTech.*

Computer skills

OS Windows, Linux, Unix
Programming C/C++
Software Matlab, AutoCad, Adobe-Photoshop, Tecplot, Microsoft Office & LaTeX

Languages

Arabic	Perfect	<i>Mother Language</i>
English	Excellent	<i>3 years Teaching experience in International university (SJTU-MU-Lawrence Tech-SUES)</i>
French	Fluent	<i>10 years of Permanent living in France: Studying, Working</i>
Chinese	Basics	<i>3 years of Permanent living at Shanghai- China: Teaching</i>

Membership

2019-Present **Syrian Association for Renewable Energy, Syria.**
2016-Present **National Science Foundation of China, China.**
2005-Present **La Société des Ingénieurs Arts et Métiers, France.**
2003-Present **Association Francaise de Mecanique, France.**
1998-Present **Association for the Professional Engineers, Syria.**
1997-Present **Syrian Computer Society, Syria.**

Service

- **Review of numerous manuscripts and proposals submitted for publication .**
 - Journal of Energy, Elsevire,
 - Journal of Engineering Science, University of Damascus,Syria
 - Sindh University Research Journal, Jamshoro, Pakistan
 - Energy Research Journal, Science Publications,New York, 10001, USA
- **Member of the scientific committee of the First International Franco-Syrian Conference, University of Damascus, 2013, Syria.**
- **Undergraduate Student Advising, UM-SJTU Joint Institute, 2016-Present.**