

Prof. Hichem T. Smaoui

Professor, Civil & Environmental Engineering Dept., King Abdulaziz University

Education

<i>Degree</i>	<i>Discipline</i>	<i>Institution</i>	<i>Year</i>
PhD	Aerospace Engineering	University of California at Los Angeles (UCLA)	1988
MS	Engineering	University of California at Los Angeles (UCLA)	1985
BS	Civil Engineering	Ecole Nationale des Ponts et Chaussées, Paris	1980

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2017	Present	King Abdulaziz University	Professor		Full Time
2015	2017	Pr. Sattam b. Abdullaziz Univ.	Professor		Full Time
2011	2015	Salman b. Abdullaziz University	Professor	Department Chair	Full Time
1991	1999	Nat. Engr. School at Tunis	Assoc. Pr.		Full Time
1999	2011	Nat. Engr. School at Tunis	Professor		Full time
1996	1999	Nat. Engr. School at Tunis	Professor	Department Chair	Full time
Jan- 2009	Feb- 2009	Univ. of Savoie, France	Professor	Visiting Professor	Full time
July 2010		Blaise Pascal University, France	Professor	Visiting Professor	Full Time
1992	1999	Nat. Engr. School at Tunis	Assoc. Pr.	Coordinator. Grad. Studies in App. Mec.	Part Time
1995	2009	Nat. Engr.	Assoc. Pr./Pr.	Director (Founder) -	Part Time

		School at Tunis		Research Unit/ Lab.	
2000	2009	Polytechnic School of Tunisia	Assoc. Pr./Pr.	Director of Research Unit/Laboratory	Part Time
1992	2011	Ministry Higher Edu., Tunisia	As. Pr./Pr.	Chair./Member, Faculty Recruit. Committ.	Part Time
1999	2002	Ministry Higher Edu., Tunisia	Professor	Inspector, Faculty of Technological Edu.	Part Time

Non Academic Experience

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position description (Brief)</i>
2010	2011	Indust. Engr. Tech.	Consultant	Struct. Engr. Consult. - Reliab. Fatigue Analysis – Offsh. Platforms
2011	2011	Nippon-Koei	Consultant	Struct. Engr. Consult. - Torsional stresses in curved concrete bridge
Apr- 99	Aug-99	General Motors	Visiting Researcher	Visiting Researcher – Reliability based optimum Design
1990	1990	SEREPT (Tunisia)	Consultant	Struct. Engr. Consult. - Spectral Fatigue Analysis – Offsh. Platforms
1989	1991	IRSIT (Tunisia)	Senior Researcher	Senior Researcher (Applied computing)
1983	1987	Specialty Eng. (US)	Consultant	Manufacturing Engr., Consultant. Design manufacturing of moulds
1980	1981	SCET- Tunisie	Design Engineer	Design Engineer – Railway line infrastructure

Certifications and Professional Registrations

N/A

Current Membership in Professional Organizations

<i>Member Since</i>	<i>Rank</i>	<i>Society/organization</i>
2013	Member	International Association on Direct Methods
1990	Member	Tunisian Scientific Society

Honors and Awards

1. French Cooperation Scholarship
2. Technology Transfer Scholarship (USAID)

Service activities (within and outside of the institution)

1. Member of the High Committee for Science and Technology (Tunisia)
2. Co-Founder of the Tunisia local chapter of the Tunisian Scientific Society (1991)

Principal Publications/Presentations from the Past Five Years

1. Zied Kammoun and Hichem Smaoui, Direct Limit Analysis based Topology Optimization of Foundations, *Soils and Foundations*, 59 (2019) 1063–1072.
2. Abdeliazim M. Mohamed, Mohd H. Osman, Hichem Smaoui, and Mohd A. Ariffin, Durability and Microstructure Properties of Concrete with Arabic Gum Biopolymer Admixture, *Advances in Civil Engineering*, Vol. 2018, Dec 2018.
3. Abdeliazim M. Mohamed, Mohd H. Osman, Hichem Smaoui, and Mohd A. Mohd Ariffin. Permeability and Tensile Strength of Concrete with Arabic Gum Biopolymer, *Advances in Civil Engineering*, Vol. 2017, Aug. 2017.
4. A. Mustafa, M. H. Osman and H. Smaoui, Effect of Arabic Gum Biopolymer on Fresh and Hardened Concrete, *International J. of Civil & Structural Eng.* 6 (3), 2016, 187-194.
5. Monia Trimeche, Hichem Smaoui, Ridha Ben Cheikh, Mahmoud Smida, Tarek Rebaï, Hassib Keskes and Hassane Oudadess, “Elaboration and Evaluation of a Composite Bone Substitute based on TCP/DCPD and PHBV, Preliminary Results”, [Biomedical Engineering: Applications, Basis and Communications \(BME\)](#). Vol 28, Issue No. 05. 2016.
6. Z. Kammoun and H. Smaoui, A Direct Method Formulation for Topology Plastic Design of Continua, in *Direct Methods for Limit and Shakedown Analysis of Structures, Advanced Computational Algorithms and Material Modeling, Solid Mechanics and its Applications*, Vol. 220, Fuschi, Paolo, Pisano; Aurora Angela; Weichert, Dieter (Eds.), 2015, pp. 47-63.
7. M. Trimeche, R. Ben Cheikh, H.Smaoui, Reinforcement of poly (hydroxybutyrate-co-hydroxyvalerate) - PHBV by bioactive components: effect on physical and mechanical properties, 4th International Conference on Green Energy and Environmental Engineering, 22 - 24 April 2017- Sousse, Tunisia.

Recent Professional Development Activities

1. IDEAL workshop, Baltimore, 2014
2. British Council Workshop on Strategic Planning, 2017.