

CURRICULUM VITAE

Souhail Chebbi

Born 14 April 1965 in Tunis, Tunisia.
Tunisian Citizen
Married, 3 Children

Address: Department of Mathematics
College of Sciences,
King Saud University
P.O. Box 2455
Riyadh 11451
Kingdom of Saudi Arabia
Tel: Office +966 1 4676308
Mobile +966 5 05387546
E-mail: schebbi@ksu.edu.sa
Web page: <http://faculty.ksu.edu.sa/72359/default.aspx>

Positions

2009 - to date: Associate Professor, King Saud University (Saudi Arabia).
2011 - to date: Professor, "Faculté des Sciences de Bizerte", (Tunisia).
2006 – 2011 Associate Professor, Faculté des Sciences de Bizerte.
2004-2009 Assistant Professor, King Saud University (Saudi Arabia).
1998 - 2004: Assistant Professor; Faculté des Sciences de Bizerte.
1996- 1998 : Assistant (ATER), Université Paris 1-Panthéon-Sorbonne, France.

Education

- **“Habilitation”** in Applied Mathematics, 2006, “ ENIT (Ecole National d’Ingénieurs de Tunis ”), Tunisia.
- **Ph.D.** in Applied Mathematics, 1997, “Université Paris 1-Panthéon-Sorbonne”, France.
- **M.Sc.** in Applied Mathematics, 1992, “Université de Paris 1 - Ecole Polytechnique de Paris”, France.
- **B.Sc.** in Pure Mathematics, 1991, “ Faculté des Sciences de Tunis”, Tunisia.

Research Interests

Applied Functional Analysis
Fixed Points Theory
Optimization
Mathematical Economics
Financial Mathematics

Publications

1. N. Altwaijry, **S. Chebbi**, H. Hammami and P. Gourdel, Borsuk's antipodal fixed point theorems for compact or condensing set-valued maps, Accepted in *Advances in Nonlinear Analysis*, 2016.
2. **S. Chebbi**, N. Altwaijry and H-K. Xu, A strongly convergent modifications of the proximal point algorithm in nonsmooth Banach space, Accepted in *Fixed Point Theory*, 2016.
3. H. Hammami, **S. Chebbi** and H-K. Xu, The implicate convex rule for nonexpansive mappings, *Journal of Nonlinear and Convex Analysis*, Vol 17 2016.
4. **S. Chebbi**, A survey on generalized convexity and applications to fixed points theorems and equilibria, *Proceedings of the ICFPTA*, 2016.
5. N. Altwaijry, **S. Chebbi** and H-K. Xu, Properties and splitting method for the p-elastic net, *Pacific Journal of Optimization*, 2016.
6. S. Ounaies, J-M. Bonnisseau, S. Chebbi and H.M. Soner, Merton Problem for a Discrete Market in an Infinite Horizon and with Frictions, *Journal of Industrial Management and Optimization*, 2016:
7. N. Altwaijry, **S. Chebbi** and H-K. Xu, Ergodic convergence of the double backward method for monotone operators, Accepted in *Journal of Nonlinear and Convex Analysis*, 2015.
8. Y-H. Wang, **S. Chebbi** and H-K. Xu.; Weak convergence of iterative methods for two accretive operators in Banach spaces, Accepted in *Journal of Nonlinear and Convex Analysis*, 2015 .
9. **S. Chebbi** and B. Samet, [Noncompact Equilibrium Points for Set-Valued Maps](#), *Abstarct and Applied Analysis*, Art Number: 959612, 2014.
10. Z. Al-Rumaih, **S. Chebbi** and H.K. Xu, A Halpern-Lions-Reich-like iterative method for nonexpansive mappings, *Journal of Fixed Point Theory*, 14 (2013) No. 2.
11. **S. Chebbi** and H.M. Soner, Merton problem in a discrete market with frictions, *Nonlinear Analysis, Real World Applications*, 14 (2013),179-187.

12. Y. Yao, T. Kim, **S. Chebbi** and H.K. Xu, A modified extragradient method for the split feasibility and fixed points problems, *Journal of Nonlinear and Convex Analysis*, 13 (2012), 383-396.
13. Z. Al-Remih, **S. Chebbi** and H.K. Xu, Non-compact equilibrium point and applications, *Journal of Applied Mathematics*, V 2012, 1-9, 2012.
14. **S. Chebbi**, P. Gourdel and H. Hammami, *A Generalization of Fan's matching theorem*, *Journal of Fixed Point Theory and Applications* V 9 (1), 117-124, 2011.
15. JM. Bonnisseau, **S. Chebbi**, P. Gourdel and H. Hammami, [*Borsuk's antipodal theorem for approachable correspondences*](#), *Non Linear Analysis: Theory, Methods & Applications*, 73 (11), 3502-3506, 2010.
16. **S. Chebbi**, [*Some non-compact quasi-variational inequalities*](#), *Non Linear Analysis: Theory, Methods & Applications (ISI)*, V 71 (12), 1684-1687, 2009.
17. **S. Chebbi**, *Existence of Pareto equilibria for non-compact multi-criteria games*, *Journal of Applied Analysis*, V 14(2), 219-226, (2008).
18. **S. Chebbi**, *Minimax inequalities and equilibria with a generalized coercivity*, *Journal of Applied Analysis*, V12, 117-125, (2006).
19. H. Ben-El-Mechaiekh, **S. Chebbi** and M. Florenzano, A Generalized KKM Principle and Applications, *Journal of Mathematical Analysis and Applications*, 309, 583-590, (2005).
20. **S. Chebbi**, Intersection, fixed points and minimax inequalities with a generalized coercivity in H-spaces, *Arab Journal of Mathematical Sciences*, 1-9, 2005.
21. **S. Chebbi** and M. Florenzano, Maximal element and Equilibria for condensing correspondences, *Journal of Non Linear Analysis: Theory, Methods & Applications* , 38, 995-1002 (1999).

22. H. Ben-El-Mechaiekh, **S. Chebbi** and M. Florenzano, A non linear alternative for approximable maps, *Proceedings of the American Mathematical Society*, 126, 2345-2349, (1998).
23. H. Ben-El-Mechaiekh, **S. Chebbi**, M. Florenzano and J.V. Llinares, Abstract convexity and fixed points, with Hichem Ben-El-Mechaiekh, M. Florenzano, *Journal of Mathematical Analysis and Applications* (ISI), 222, 138-150, (1998).
24. **S. Chebbi**, Fixed point, maximal element and equilibria in generalized convex spaces, "*Cahiers Eco&Maths de l'Université de Paris I*", (France), 199

Citations

About 150 Citations in ISI Web of Knowledge.

National Research Projects (NPSTI Projects)

- 1) PI, Project title: "Iterative methods for nonlinear analysis and applications", NPST research program, with M. Bounkhel, H.K. Xu, J. Sun and R.T. Rockafellar, 2011-2013.
- 2) PI, Project title: "Nonlinear Analysis Methods and their Applications to Economics and Finance", NPST research program with N. Altwaijri, J-M. Bonnissseau, P. Gourdel and M. Soner. 2012-2014.
- 3) Co-I, Project title: "Splitting methods for monotone operators", NPST research program, with N. Altwaijri and H.K. Xu, 2012-2014.
- 4) PI, Project title: " Degenerate and Singular Phenomena in Nonlinear Analysis with Applications to Physics and Financial Mathematics", with S. Baraket and Vicențiu Rădulescu, 2013-2015

Editorial Activities

Associated Editor of "Journal of King Saud University (Science)", Elsevier, 2013.

Referee

Journal of Mathematical Analysis and Applications.
Non Linear Analysis: Theory, Methods & Applications
Journal of Fixed Point Theory.
Journal of Fixed Point Theory and Applications.
Journal of Applied Mathematics.
Arab Journal of Mathematical Science.

Invitations

2015 : Université de Paris 1 Panthéon-Sorbonne, France.
2011: National Sun Yat-sen University, Taiwan.
2010: Swiss Federal Institute of technology, ETH Zurich, Swiss.
2008 : Université de Paris 1 Panthéon-Sorbonne", France.
2006 : Université de Paris 1 Panthéon-Sorbonne", France.
2005: University of Antananarivo, Madagascar.
2001: American University of Sharjah, U.A.E.
2000 : Université de Paris 1 Panthéon-Sorbonne", France.
1999 : Université de Paris 1 Panthéon-Sorbonne", France
1996: Brock University, St Catherine, Canada.

Selected Conferences

- Communication " Borsuk's antipodal fixed point theorem for condensing approachable set-valued maps", 11th International Conference on Fixed Point Theory and its Applications, Istanbul, July 2015.
- Communication "Merton problem in a discrete market with frictions", XXIII European Workshop on General Equilibrium Theory (EWGET 2014), Paris, June 2014.
- Equilibrium problems for set-valued maps in non-compact domains, The Fourth Asian Conference on Nonlinear Analysis and Optimization, Taipei, August 2014.
- Communication " Non-compact Equilibrium Points and Applications", International Conference on Mathematical Sciences and Statistics, Malaysia, February 2012.
- Communication " Borsuk's antipodal theorem for approachable set-valued maps", Conference on fixed point theory and applications, Shanghai, June 2010.
- Communication " Fixed points for Set-Valued maps defined in generalized convex spaces and Applications", Fixed Point theory and Applications Day, King Fahd University of Petroleum and Minerals KFUPM, KSA, November 2008.
- Communication " Fixed Points For Non-Compact Set-Valued Maps and Applications", World Congress of Nonlinear Analysis WCNA2008, Orlando, USA, July 2008.

Supervision of Ph. D. Thesis:

- Cynda Ounaies, Université Paris 1-Panthéon-Sorbonne and Faculté des Sciences de Tunis, since 2012.
- Hakim Hammami, "Ecole Polytechnique de Tunisie"- University Paris 1 Sorbonne, Co-supervisor with Prof. Jean-Marc Bonnisseau and Prof Pascal Gourdel, 2005-2008.
- Zohra EL Rumih, King Saud University, Co-supervision with Professor Hong-Kun Xu, 2009-2013.
-

Supervision of M.Sc. Thesis :

- Salma Zamel, Hail University, Kingdom of Saudi Arabia 2011.
- Lynda Farza, ENIT, Tunisia, 1999.

University and Community services

- Coordinator and Academic Advisor of the bachelor degree "BSc in Actuarial and Financial Mathematics", Department of Mathematics, King Saud University.
- Member of the Organizing committee of the program "National Plan for Sciences and Technology at the King Dom of Saudi Arabia" NPSTI, 2008-2014.
- Director of the "Strategic Studies Unit", King Saud University, 2010-2012.
- Member of the Consultant committee of the Vice Rector of Graduate studies and Research, 2009-2011.
- Participation in many committees of creation of new bachelor and graduate program.