Rim Amami

✉ *amami.rim@gmail.com*

Status **Born September 11th, 1982 in Tunis, Tunisia.** *Married, 1 child.*

Research interests

Keywords Impulse control, infinite horizon, switching technology, Markov process, reflected backward stochastic differential equation.

Education

2008 – 2012 **Ph.D. in Applied Mathematics**, *University Paul Sabatier, Institut de Mathématiques de Toulouse, France*.
- Thesis : *Impulse control problem with switching technology*, defended June 7th, 2012.
- Advisors : Monique Pontier and Habib Ouerdiane.
- Referees : Monique Jeanblanc, Mohamed Mnif and Huyên Pham.
- Examinators : Dominique Bakry and Laure Coutin.

2007 – 2008 **Master 2 Research "Mathematics and applications"**, *Faculté des Sciences de Tunis and Université Paul Sabatier Toulouse* , "Mention, T.B".

2006 – 2007 **Master 2 Research "Mathematics and applications"**.

2003 – 2006 **Bachelor of Mathematics**, *Faculté des Sciences de Tunis*.

2001 – 2003 **DEUPC of "Mathematics-computer science"**, *Faculté des Sciences de Tunis*.

Teaching experience

Since 2017 **Assistant Professor**, *Faculty of Sciences* , Tunis, Tunisia.

2013–2016 **Assistant Professor**, *ISMAI*, Kairouan, Tunisia.

2012 – 2013 **Assistant**, *National Engineering School*, Monastir, Tunisia.

2011 – 2012 **Teaching Assistant**, *University Paul Sabatier*, Toulouse, France.

2010 – 2011 **Teaching Assistant**, *University Paul Sabatier*, Toulouse, France.

2009 – 2010 **Temporary Assistant**, *Institut Universitaire de Technologie*, Toulouse, France.

Publications

1. R. Amami (2012). *Impulse control problem with switching technology.* Stochastics An International Journal of Probability and Stochastic Processes, Vol. 84, Issue 02-03, p. 437-460, Taylor and Francis.
2. R. Amami (2012) *Application des EDSRR à un problème de contrôle impulsionnel.* Comptes rendus mathématiques de l'académie des sciences, Elsevier, Tome 350, p. 267-271.
3. R. Amami, M. Pontier (2013). *Solution examples of an impulse control problem.* Journal of Computational and Applied Mathematics, Elsevier, pp. 1-16.
4. R. Amami (2013). *Application of an infinite horizon BSDE's to an impulse control problem.* Journal Optimization, Taylor and Francis.
5. H. Abidi, R. Amami, M. Pontier (2016). *Infinite horizon impulse control problem with jumps using doubly reflected BSDEs.* submited to ESAIM Probability and Statistics.
6. H. Abidi, R. Amami, M. Pontier (2016). *Infinite horizon impulse control problem with continuous costs, numerical solutions.* submited to Stochastics.