

# Maher Jneid

## Assistant Professor of Pure Mathematics

---

Maher Jneid received his Ph.D. in Mathematics in 2014 from Eastern Mediterranean University-Turkey, and M.Sc. in Mathematics and Image Processing in 2010 from the University of Lebanese. He obtained his B.Sc. in pure Mathematics from Lebanese University in 2008. He is currently Assistant Professor in the Department of Mathematics and Computer Science at Beirut Arab University. He worked as a Teaching Assistant in the Department of Mathematics and Computer Science Eastern Mediterranean University from 2012 to 2014.

## Teaching

### Fall 2017-18 Courses

- Introduction to Calculus and Analytic Geometry II (MATH111)
- Introduction to Algebra(MATH112)
- Discrete Mathematics (MATH345)
- Set Theory (MATH353)
- Abstract Algebra II (MATH442)
- Applied Statistics (MATH645)

### Spring 2017-18 Courses

- Senior Project (MATH444)
- Ordinary Differential Equations (MATH244)
- Multivariable Calculus (MATH248)
- Real Analysis II (MATH344)
- Abstract Algebra I (MATH346)
- Numerical Methods (MATH348)

### Fall 2015-16 Courses

- Functional Analysis (MATH408)
- Linear Algebra (MATH341)
- Special Theory Of Relativity (MATH313)
- Abstract Algebra I (MATH346)
- Operations Research (MATH324)
- Numerical Analysis (MATH409)

### Spring 2015-16 Courses

- Function of Complex Variables (MATH304)
- Differential Geometry (MATH305)

- Computational Methods (MATH317)
- Boundary Value Problems (MATH409)

## Research

### Research Interests

The research interests of Maher Jneid include the area of control theory, differential equations, fractional differential equations and linear and semilinear systems. He has done research in partial complete controllability of semilinear control systems

### Publications

- E. Bashirov and M. Jneid, "On Partial Complete Controllability of Semilinear Systems," Hindawi Publishing Corporation Abstract and Applied Analysis, volume 2013, Article ID 521052, 8 pages.
- B. E. Bashirov and M. Jneid, "Partial Complete Controllability of Deterministic Semilinear Systems", TWMS Journal of Applied and Engineering Mathematics.
- Maher Jneid, "Approximate controllability of semilinear integro-differential fractional control systems with nonlocal conditions", Applied Mathematical Sciences, Vol. 11, 2017, no. 29, 1441-1453. <https://doi.org/10.12988/ams.2017.73108>
- Maher Jneid, "The fractional annihilator technique for solving nonhomogeneous fractional linear differential equations", International Journal of Mathematical Analysis, Vol. 12, 2018, no. 2, 61-70. <https://doi.org/10.12988/ijma.2018.712157>

## Activity

### Conferences

- The UNESCO-CIMPA research school mathematics, images and applications, April, 7 to 17, 2010.
- Matematik kulubu tarafından duzenlenen "Matematik Gunferi" ne katilarak bu belgeyi almaya hak kazanmistir, March, 4 to 14, 2013.
- The sixth Annual meeting of the "Lebanese Society for the Mathematical Sciences" LSMS-2016 "Ecole Doctorale des Sciences et de Technologies" at the Lebanese University, Beirut, May 20 to 21, 2016.
- Partial Differential Equations and Applied Mathematics at Lebanese University-Hadath, Lebanon, March 29-30, 2016.
- Day of Partial Differential Equations at Beirut Arab University, Lebanon, April, 22, 2015.
- The Eight Annual Meeting (LSMS-2018) at the Lebanese American University, May 11 to 12, 2018.
- The Seventh Annual Meeting of the "Lebanese Society for the Mathematical Sciences" LSMS-2017 held at the University of Balamand, North Lebanon, April 20-21, 2017.
- 1st Student Innovation and Research Conference for Arab Universities and Schools (SIRCAUS) at BAU , Debbieh Campus, March, 27, 2018.
- Solution of Systems of Fractional Ordinary Differential Equations via Conformable Fractional Differential Transform Method. Nour Abu Jmeih, Aya chmaysem, Maher Jneid.(Poster)(SIRCAUS – BAU)( March 27-28, 2018).

- Fractional Complex Transform For Solving Conformable Fractional Diffusion Equations with Boundary Conditions. Aaminah Hassan, Maher Jneid.(Poster) (SIRCAUS – BAU)( March 27-28, 2018).
- Explicit Methods For Solving a Constant Coefficient Linear System of Conformable Fraction Differential Equations , Moussa Hawwary, Maher Jneid.(Oral Presentation) (LSMS-LAU)( May 11 -12, 2018).
- Solving the Fractional Newell-Whitehead-Segel Equation Using the Conformable Reduced Differential Transform Method, Abeer Chawk, Maher Jneid.(Oral Presentation) (SIRCAUS – BAU)( March 27-28, 2018).

## **Workshops**

- Applied Statistics Day (Department of Mathematics and Computer Science Faculty of Science, BAU Beirut-Campus)(April 24th, 2018).
- Biomedical Research Between Sciences and Engineering /Friday February 2, 2018 / Beirut Arab University- Tripoli Campus in Cooperation with Doctoral School for Science and Technology (DSST), Faculty of Engineering, Lebanese University & IEEE EMBS Lebanon Chapter.
- “The Enhancement of Staff Members Teaching Skills” organized by (The Faculty of Arts, BAU Beirut-Campus)(2016).