

# CURRICULUM VITAE

Markjoe Olunna UBA

## Personal Data

Name: **Markjoe Olunna UBA**

Present Address: Department of Mathematics and Descriptive Geometry,  
Faculty of Civil Engineering,  
Slovak University of Technology,  
Radlinskeho 11,  
810 05 Bratislava,  
Slovakia.  
Tel:(+421)(0)-919-3868-74

E-mail address: markjoeuba@gmail.com

Sex, Marital Status: Male, Married with a child.

Born: May 8, 1988.

## Academic Qualifications and Institutions

**2016:** M.Sc. (Mathematics)  
African University of Science and Technology, Abuja, Nigeria.  
Thesis: A Strong Convergence Theorem for Zeros of Bounded  
Maximal Monotone Mappings in Banach Spaces with Applications

**2015:** M.Sc. (Applied Mathematics)  
University of Nigeria, Nsukka, Nigeria.  
Thesis: Impact of Eye Drop on Tear Film Flow

**2012:** Proficiency Certificate in Management  
Nigerian Institute of Management

**2010:** B.Sc. (Computer Science/Mathematics)  
University of Nigeria, Nsukka, Nigeria.  
Thesis: Design and Implementation of Online Sales  
Monitoring System

## Research Interests

Applied Mathematics (Image Processing);  
Nonlinear Integral Equations;  
Nonlinear Operator Theory.

## Professional Experience

November 2017 - Present **Researcher**  
Department of Mathematics and Descriptive Geometry,  
Slovak University of Technology in Bratislava.

October 2016 - Present **Lecturer II**  
Department of Mathematics, University of Nigeria.

October 2015 - October 2016: **Assistant Lecturer**  
Department of Mathematics, University of Nigeria.

February 2013 - October 2015: **Graduate Assistant**

October 2012 - February 2013:	Department of Mathematics, University of Nigeria. <b>Mathematics and Computer Studies Teacher</b> Holy Child Secondary School Isuofia, Anambra State, Nigeria.
July 2012 - October 2012:	<b>Mathematics Teacher</b> Scholar Academy Tunga, Minna, Niger State, Nigeria.
July 2011 - July 2012:	<b>National Youth Service Corps</b> Federal Republic of Nigeria.

## Skills

- Programming in C/C++ and Latex
- Visualization with Paraview
- Data management with Fiji (ImageJ)
- Web design with PHP, HTML and MySQL
- Version control systems (Github, Bitbucket)
- High performance computing strategies
- English language C2 level (Common European Framework of Reference for Languages)

## Honors/Fellowships

- 2020:** Maria Skłodowska-Curie Fellowship funded under the European Union's H2020 research and innovation programme.
- 2019:** Maria Skłodowska-Curie Fellowship funded under the European Union's H2020 research and innovation programme.
- 2018:** Maria Skłodowska-Curie Fellowship funded under the European Union's H2020 research and innovation programme.
- 2017:** Maria Skłodowska-Curie Fellowship funded under the European Union's H2020 research and innovation programme.
- 2015:** Nelson Mandela Institution (NMI) scholarship at African University of Science and Technology Abuja.
- 2014:** University of Nigeria (Masters degree) Scholarship for academic staff
- 2014:** Best Student in Classical Analysis at the National Mathematical Center Abuja (Graduate improvement program coordinated by Prof. C. E. Chidume).

## PUBLICATIONS

1. C. E. Chidume, **M. O. Uba**, M. I. Uzochukwu, E. E. Otubo and K. O. Idu, *A Strong Convergence Theorem for an Iterative Method for Finding Zeros of Maximal Monotone Maps with Applications to Convex Minimization and Variational Inequality Problems*, Proceedings of Edinburgh Mathematical Society, 1-17. doi:10.1017/S0013091518000366.
2. C. E. Chidume, E. E. Otubo, C. G. Ezea and **M. O. Uba**, *A New Monotone Hybrid Algorithm for A Convex Feasibility Problem for an Infinite Family of Nonexpansive-Type Maps with Applications*, Advances in Fixed Point Theory, Vol 7, No 3 (2017), 413-431.

3. **M. O. Uba**, M. I. Izuchukwu and M. A. Onyido, *Algorithm for Approximating Solutions of Hammerstein Integral Equations with Maximal Monotone Operators*, Indian J Pure Appl Math (2017) 48: 391. (SCI), Springer.
4. **M. O. Uba**, M. A. Onyido, *An Algorithm for Solutions of Hammerstein Integral Equations with Maximal Monotone Operators in Classical Banach Spaces*, British Journal of Mathematics and Computer Science, 2016, Volume 19 Issue 1.
5. **M. O. Uba**, M. A. Onyido and P. U. Nwokoro, *Iterative Approximation of Solutions of Hammerstein Integral Equations with Maximal Monotone Operators in Banach Spaces*, British Journal of Mathematics and Computer Science, 2016, Volume 19 Issue 2.
6. M. A. Onyido, **M. O. Uba**, M. I. Uzochukwu, P. U. Nwokoro, and E. E. Otubo, *A Theorem for Zeros of Maximal Monotone and Bounded Maps in Certain Banach Spaces*, British Journal of Mathematics and Computer Science, 2016, Volume 19 Issue 1.

## Conferences/Workshops

- **Functional Microscopy for Biology (MIFOBIO), 2018, Seignosse, France.**  
Title of Presentation: *Mathematical Models and Computational Methods for Image Segmentation in Developmental Biology.*
- **Joint Meeting of the Czech, Slovenian, Austrian, Slovak and Catalan Mathematical Societies, 2018, Bratislava, Slovakia.**  
Title of Presentation: *Distance Map Registration.*
- **First ImageInLife Conference at the National Center for Scientific Research (CNRS), 2018, Paris, France.**  
Title of Presentation: *3D+Time Image Segmentation Methods.*
- **ImageInLife workshop at the National Center for Scientific Research (CNRS), 2018, Paris, France.**
- **Thirty Fourth Annual Conference of the Nigerian Math. Soc., 2016, Federal University of Technology, Minna, Nigeria.**  
Title of Presentation: *Impact of Eye Drop on Tear Film Flow.*

## Services rendered to support development in Nigeria

- Between 2015 and 2017, I visited secondary schools in Anambra state (South Eastern Nigeria) to motivate students and sensitize them to the need for personal development, especially the females among them; I also taught high school mathematics to them as well.
- In 2012, during my one-year mandatory national youth service (NYSC), I initiated, designed and implemented a web-based application for the Niger State Environmental Protection Agency, Minna. This project received state recognition at the end of my service in the Niger state, Nigeria.
- In 2009, while I was an undergraduate student at the University of Nigeria, I organized a youth convention at Etti Community Civic Centre, Nanka. The theme of the convention was Mindset and Spirit of Excellence in the New Nigerian Youth.

## Referees

- Available upon request.