



DEPARTMENT OF MATHEMATICS,  
College of Science and Technology,  
Covenant University, Ota, Nigeria



In collaboration with  
National Mathematical Centre (NMC), Abuja

and  
Covenant University Centre for Research, Innovation and Discovery (CUCRID)

Present

## Nigerian Mathematics in Industry Study Group Workshop/Conference NIGMISG 2018



Date

September 24 - 26, 2018

Venue

Center for Research, Innovation and Discovery,  
Covenant University, Canaan Land, Ota, Nigeria

Theme

**FOSTERING COLLABORATIVE RESEARCH BETWEEN  
ACADEMIA AND INDUSTRY: MATHEMATICS AS A TOOL  
FOR SOLVING REAL-LIFE PROBLEMS**

### SUB-THEMES:

- Mathematics in Oil and Gas (Fluid Mechanics)
- Mathematics in Engineering Problems (Modelling)
- Real-life Optimization Problems
- Financial Mathematics Modelling (including using statistical tools)

#### CHIEF HOST

**Prof. AAA. Atayero**

Vice-Chancellor, Covenant University, Ota

#### KEYNOTE SPEAKER

**Professor Stephen Ejugwu Onah**

Director and Chief Executive  
National Mathematical Centre, Abuja

### OBJECTIVES OF THE WORKSHOP/CONFERENCE

- Foster active collaboration, knowledge and technology transfer between academic mathematicians, statisticians, engineers, physical scientists and other interest groups and industries within Nigeria.
- Proffer research-led solution paths to mirage of problems facing governments, communities and industries in the country
- Encourage active involvement of academics and industry in industrial-based research and supervision that will lead eventually to practical solutions to identified problems.

### BENEFITS TO THE INDUSTRY

The study group intends to:

- Proffer solutions and insights into existing industrial problems
- Establish lasting and productive working links with mathematicians, statisticians, engineers and the physical scientists and the industries
- Expand employment opportunities and company profiles with postgraduate students
- Stimulate greater awareness in the wider community on the power of mathematics in providing solution paths to real-world problems

### WHO SHOULD ATTEND

- Mathematicians
- Statisticians
- Computer Scientists
- Engineers
- Researchers in other fields related to mathematics
- Research and Development (R & D) Staff from Industries/Organizations
- Personnel from National Laboratories
- Postgraduate Students

### CALL FOR ABSTRACTS / SUBMISSION GUIDELINES

Any intending participants willing to present paper(s) during the conference session should submit abstract(s) of not more than 300 words (with 3 to 5 keywords) in MS word file (as an attachment) via e-mail to [nigmisg2018@covenantuniversity.edu.ng](mailto:nigmisg2018@covenantuniversity.edu.ng) not later than September 16, 2018. Each abstract must indicate clearly and precisely

the major points of interest, the novelty of the research. It should be original and contain an introductory part, methodology, results (or expected results) and conclusion.

In addition to the technical content, the abstract should contain the following information:

- Title of paper
- Name(s) and affiliation of author(s)
- Full contact details of corresponding author including Email address, Phone and fax numbers.

The language for the oral presentation in the conference is English.

**Intending participants may also attend without submitting an abstract paper.**

Authors of selected abstracts/papers will be invited to submit their extended works for reviewing and consideration for possible publication in special issues of Journals after the conference. The following outlets are provided for accepted papers:

- Covenant Journal of Physical and Life Sciences (Covenant University-based Journal)
- Covenant Journal of Engineering Technology (Covenant University-based Journal)
- Journal of Informatics and Mathematical Sciences (ISI/Thomson Reuters Indexed) (Article Processing Charges - \$ 100)
- Communications in Mathematics and Applications (ISI/Thomson Reuters Indexed) - (Article Processing Charges - \$ 100)

All papers will be refereed, and decisions on accepted papers will be communicated to authors after the Conference (early December 2018). Papers submitted to NIGMISG must comply with internationally-accepted standards for research practice and reporting, including data management, figure preparation, reproducibility, and reporting guidelines.

Conference publication committee reserves the right to withdraw any paper that does not meet with international standards.

### CONFERENCE REGISTRATION FEE

PARTICIPANT TYPE	COST	TIMELINES
Participant -Academic (Early bird)	NGN 20,000	August 31, 2018
Participant-Industry (Early bird)	NGN 50,000	August 31, 2018
Participant- Academic (Late)	NGN 25 ,000	September 16, 2018
Participant -Industry (Late)	NGN 70,000	September 16, 2018
Students	₦10,000	August 31, 2018

Registration Fee covers workshop/conference materials, participation in all sessions of the workshop/conference, participation certificate, lunches and tea breaks.

For more information, contact the Organizing Committee through: [nigmisg2018@covenantuniversity.edu.ng](mailto:nigmisg2018@covenantuniversity.edu.ng)

#### Dr. Sheila A. Bishop

Head, Department of Mathematics,  
Covenant University, Ota, Nigeria  
e-mail: [sheila.bishop@covenantuniversity.edu.ng](mailto:sheila.bishop@covenantuniversity.edu.ng)  
Tel: +2348168827754

#### Dr. T.A. Anake

Department of Mathematics,  
Covenant University, Ota, Nigeria  
e-mail: [timothy.anake@covenantuniversity.edu.ng](mailto:timothy.anake@covenantuniversity.edu.ng)  
Tel: +2348165619875

### Bank Details for payment of registration fee:

**Account Name:** Covenant University Mathematics

**Account Number:** 1021297329

**Bank Name:** United Bank for Africa (UBA).

All intending participants should fill and submit the registration form through this link <http://nigmisg2018.covenantuniversity.edu.ng/registration/> while evidence of payment or transfer should be mailed to [nigmisg2018@covenantuniversity.edu.ng](mailto:nigmisg2018@covenantuniversity.edu.ng)

### ACCOMMODATION

Covenant University Guest House will be available at affordable rates. Intending Workshop/Conference attendees are responsible for their own accommodation arrangements.

[Covenant University Guest House](http://cuguesthouse.covenantuniversity.edu.ng/)

<http://cuguesthouse.covenantuniversity.edu.ng/>

The following rooms and rate options are available at Covenant University Guest House / Camp House:

	NAMES OF HOTELS/ GUEST HOUSES	RATES/ROOM TYPE (PER NIGHT)			
		Standard Room (NGN 10,000)	Mini Suite (NGN 15,000)	Executive Suite (NGN 30,000)	Deposit (Refundable) (NGN 2,000)
1	Covenant University Guest House				
2	Camp House (Within Canaanland)	Standard Room (NGN 4,500)	Single Room (Hostel Type) (NGN 1,500)	Not Applicable	Deposit (Refundable) (NGN 2,000)

Other decent hotels around the workshop/conference venue, which will be available at affordable rates are as follows:

#### Grand Bank Link Hotels

<http://www.gblhotelsng.com/about-grand-bank-link-hotels.php>

#### PMC Prestige Hotels

<http://www.hotels.ng/hotel/16979-pmc-prestige-hotels-ogun>

#### Temperance Hotel

<http://www.hotels.ng/hotel/31215-temperance-hotel-ogun>

#### Prowess Hotel & Suites Ltd.

<http://hotels.ng/hotel/1004709-prowess-hotel-ogun/book>

For booking/hotel room reservations request, please contact any of the following persons:

**Dr. J.G. Oghonyon**, Tel: 08139724200

Email: [godwin.oghonyon@covenantuniversity.edu.ng](mailto:godwin.oghonyon@covenantuniversity.edu.ng);

**Dr. P. E. Oguntunde**, Tel: 08060369637

Email: [pelumi.oguntunde@covenantuniversity.edu.ng](mailto:pelumi.oguntunde@covenantuniversity.edu.ng);

**Mr. H.I. Okagbue**, Tel: 08030797885

Email: [hilary.okagbue@covenantuniversity.edu.ng](mailto:hilary.okagbue@covenantuniversity.edu.ng);

The workshop/conference will be held at Covenant University. Covenant University is located in Ota, a suburb of Lagos. It is about 30 km from the Murtala Mohammed Airport in Lagos.

### WORKSHOP FACILITATORS

**Professor Thron Christopher**, Texas AT&M University, Central Texas, USA

**Professor Masood Khalique**, North-West University, South Africa

**Professor Olabode M. Bamigbola**, University of Ilorin, Ilorin, Nigeria

**Dr. Osalusi Emmanuel**, Shell Petroleum Development Company of Nigeria Ltd.

**Dr. Gideon Fareo**, University of the Witwatersrand, South Africa

#### Prof. S.A. Iyase (Organizing Committee Chair)

Department of Mathematics,  
Covenant University, Ota, Nigeria  
e-mail: [samuel.iyase@covenantuniversity.edu.ng](mailto:samuel.iyase@covenantuniversity.edu.ng)  
Tel: +2347067399921

#### Dr. A.A. Opanuga (Organizing Committee Secretary)

Department of Mathematics,  
Covenant University, Ota, Nigeria  
e-mail: [abiodun.opanuga@covenantuniversity.edu.ng](mailto:abiodun.opanuga@covenantuniversity.edu.ng)  
Tel: +2348069841259