

## Conference Call

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<https://iupac.org/event/xiv-postgraduate-summer-school-on-green-chemistry/>

### International Polymer Characterization

by Chin Han Chan, Sven Henning, and Holger Schönherr

POLY-CHAR [Halle-Siegen] 2022 is an International Polymer Characterization Conference organized by Fraunhofer IMWS and Universität Siegen and under the auspices of the POLY-CHAR Scientific Committee. This was an IUPAC-endorsed conference and was sponsored by Groupe Nutriset.

With the purpose of unrestricted worldwide participation in times of global uncertainty regarding travel restrictions due to the COVID-19 pandemic, POLY-CHAR [Halle-Siegen] 2022 was organized as a live digital event from 22 to 25 May 2022. The conference's topics included polymer synthesis, polymer characterization, polymer physics, theory and simulations, circular economy of polymers and sustainable applications, polymers for biomedical applications, biopolymers, biomedical materials and biotechnology, biopolymers in nutrition and health, elastomers and amorphous materials, nanomaterials and smart materials, the economics of polymeric materials, mechanics of polymers, adhesives and coatings, advanced hybrid materials etc.

The scientific and organizing committees of POLY-CHAR were extremely grateful for the participation of more than 100 interdisciplinary participants from all five continents, who shared their research findings ranging from theoretical to experimental and fundamental to applied aspects of polymers. The program's

areas of competence were diverse.

A total of five plenary speakers, 24 invited speakers, 66 oral speakers, nine poster presenters from 28 countries participated in POLY-CHAR 2022 [Halle-Siegen].

The POLY-CHAR Short Course was held on the first day of the conference. Eight prestigious researchers delivered graduate-level tutorial presentations on the following topics:

- Analysis of polymer nano environments with AFM and time-resolved fluorescence methods – Holger Schönherr
- NMR for testing materials – Bernhard Blümich
- X-ray scattering in polymer science – Paul Topham
- Starch and glycogen: Two complex glucose polymers of importance to human health – A polymer science perspective – Bob Gilbert
- Polymer phase diagrams and what we can learn from them – Natalie Stingelin
- Random phenomena – Jean-Marc Saiter
- Advanced electron microscopy – Sven Henning
- Development in semiconducting polymer synthesis – Christine Luscombe

Outstanding researchers were honored with the POLY-CHAR awards, which are named in honor of three distinguished Nobel Laureates:

The **Richard Robert Ernst Award** went to Jianyong Jin, The University of Auckland, New Zealand; the **Jean-Marie Lehn Award** went to Zheng Li, Peking University, China; and the **Pierre-Gilles de Gennes Award** was awarded to José Luis Gómez Ribelles, Universitat Politècnica de València, Spain.

Three **POLY-CHAR prizes for the Best Oral Presentations** were awarded to:

- Ana Iglesias-Mejuto for the work on *3D-printing of methycellulose aerogels for bone regenerative medicine*.
- Max Müller for the work on *Chitosan-based nanogels for improved selective detection of pathogenic bacteria*.
- Giulia Guidotti for the work on *New poly(butylene succinate)-based polyesters for cardiac tissue engineering: From synthesis to cell differentiation on scaffolds*.

Three **IUPAC Awards for Best Student Posters** were presented to:

- Bruna Frugoli Alves for the work on *Production and characterization of EVA:palygorskite and EVA:montmorillonite nanocomposites and their evaluation as pur point reduces for waxy systems*.



ACS Chapter  
Nigeria

AMERICAN CHEMICAL SOCIETY  
Nigeria International Chemical Sciences Chapter  
8th Annual Symposium 2023

# THEME: Innovation IN CHEMICAL SCIENCES:

FROM DISCOVERY TO COMMERCIALIZATION



**Ibom E-Library  
Conference Centre**  
Uyo, Akwa Ibom State, Nigeria

**On-site  
— & —  
Virtual**

**June 4 – 8  
2023**

## CALL FOR ABSTRACTS

Deadline for submission of abstracts: **March 1, 2023**

For details on sub-themes/sessions, guidelines for submission of abstract, and registration contact [symposium@acsigeria.org](mailto:symposium@acsigeria.org) or visit:  
<https://acsigeria.org/meetings-events/>

### KEYNOTE SPEAKER



**Prof. Javier García-Martínez**

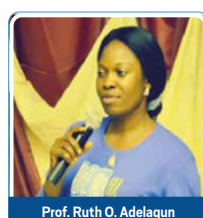
University of Alicante, Alicante, Spain  
& President, International Union of Pure  
and Applied Chemistry (IUPAC)

### PLENARY SPEAKERS



**Prof. Saviour A. Umoren**

King Fahd University of Petroleum and  
Minerals  
Dhahran, Saudi Arabia



**Prof. Ruth O. Adelagun**

Federal University, Wukari, Nigeria

## EARLY CAREER SCIENTISTS AND STUDENTS WORKSHOP

### TOPIC:

**Climbing the Science Career Ladder:**  
Initiation, Propagation, Impact and Legacy

### PANELISTS:

■ **Dr. Edmond Sanganyado**  
Northumbria University, UK

■ **Dr. Sadhna Mathura**  
University of the Witwatersrand,  
South Africa

■ **Dr. Emmanuel E. Essien**  
University of Uyo, Uyo, Nigeria

■ **Mr. Chidiebere S. Ibe**  
Forbes Featured Medical Illustrator &  
Former President, University of Uyo ACS  
International Student Chapter

### LEAD SPEAKER



**Prof. Nsikak U. Benson**

Covenant University, Ota, Nigeria

### SYMPOSIUM REGISTRATION INFO

CATEGORY	REGISTRATION TYPE	
	Early Bird (until March 15, 2023)	Late Registration (after March 15, 2023)
ACS Members	N 15,000	N 20,000
Non-ACS members	N 20,000	N 25,000
Foreign Participants	200 USD	200 USD
Students (UG/PG)	N 7,000	N 7,000
Accompanying Persons	N 5,000	N 5,000

BANK: GTBANK - AMERICAN CHEM. SC. ASSOC. OF NIG. - 0239048782 (NGN); 0239048799 (USD)

### CONTACTS

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**Dr. Nnanake-Abasi O. Offiong (LOC Chair)**

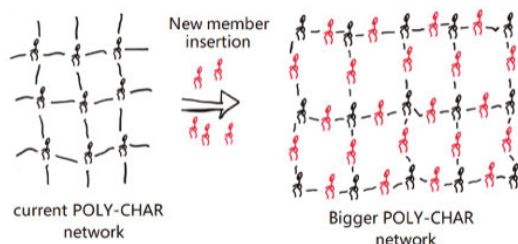
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## Conference Call

Solidarity from this Living POLY-CHAR network, meet you at the coming POLY-CHAR conferences were planned: POLY-CHAR [Auckland] 2023, New Zealand, in January 2023 and POLY-CHAR [Madrid] 2024, Spain, in April 2024!

### Living POLY-CHAR Network



Reported by  
Chin Han Chan, Universiti Teknologi MARA, Malaysia  
Sven Henning, Fraunhofer IMWS, Germany  
Holger Schönherr, University of Siegen, Germany

- Raffaello Longo for the work on *Differences between materials produced via coaxial and monoaxial electrospinning for biomedical application.*
- Vladimir A. Kolupaev for the work on *Optimized*

*specimen for in plane shear test on polymers.*

Three POLY-CHAR Prize for the Best Student Posters were awarded to:

- Warunnya Ussama for the work on *Self-healing polyester networks prepared from poly(butylene-co-butylene itaconate) and thiol-terminated polyether containing disulfide linkages.*
- Patrick Imrie for the work on *Mechanical property modification of "living" networks via PET-RAFT photopolymerization.*
- Pan Xu for the work on *Strong emission of excimers realized by dense packing of pyrenes in tailored Bola-amphiphile nanoassemblies.*

The coming POLY-CHAR conferences are being planned already and will be POLY-CHAR [Auckland] 2023, New Zealand, in January 2023 and POLY-CHAR [Madrid] 2024, Spain, in April 2024.

<https://iupac.org/event/poly-char-2022/>



[iupac.org/gwb](https://iupac.org/gwb)

**Feb. 14<sup>th</sup>**  
**2023**

**GWB**  
**2023**

**Breaking Barriers in Science**



The IUPAC Global Women's Breakfast was born during the International Year of Chemistry in 2011, and it was reborn in 2019 during the International Year of the Periodic Table. Since 2019, the GWB has grown into an annual event in February of each year in support of the United Nations Day of Women and Girls in Science.

The goal is to build a network of women and men in support of closing the Gender Gap in Science.

In 2022, more than 30,000 people participated in 400 breakfast events in 75 countries.

We invite women and men from all science disciplines to organize breakfast events on 14 February 2023 as part of the IYBSSD.

Go to [iupac.org/gwb](https://iupac.org/gwb) to register your event today.

Le petit-déjeuner mondial des femmes de l'IUPAC est né lors de l'Année internationale de la chimie en 2011, et rétabli en 2019 lors de l'Année internationale du tableau périodique. Depuis 2019, le Global Women's Breakfast (GWB) est devenu un événement annuel en février en soutien de la Journée des Nations Unies pour les femmes et les filles de science.

L'objectif est de créer un réseau de femmes et d'hommes de scientifiques pour soutenir la réduction des inégalités entre les femmes et les hommes dans le domaine scientifique.

En 2022, plus de 30 000 personnes ont participé à 400 petits-déjeuners dans 75 pays.

Nous invitons femmes et hommes de toutes les disciplines scientifiques à organiser des petits-déjeuners le 14 février 2023 dans le cadre de l'IYBSSD.

Allez sur [iupac.org/gwb](https://iupac.org/gwb) pour enregistrer votre événement dès aujourd'hui.

