



FASC Newsletter 5, June 2021

We welcome Ellie Peters to the PACN Team (Strategic Partnerships Admin Assistant). Ellie will be the replacement for Francesca Porcu. A listing of updated GSK/RSC Hands-On LCMS & GCMS Training Courses is given in the newsletter. Don't forget to submit your papers to Frontiers in Chemistry to celebrate 15 years of FASC existence.

Neil Coville

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ABOUT FASC

Information for the newsletter

Please send all information to Beth (admin@faschem.org), Emmanuel C. Ohaekenyem (ec.ohaekenyem@unizik.edu.ng) or to me (neil.coville@wits.ac.za)

Beth has placed all earlier newsletters on the FASC website.

Advertising in the FASC newsletter

The newsletter will provide a means of getting messages to our member countries. This newsletter thus provides a means of advertising employment opportunities, conferences and workshops, and even for companies/Universities to promote themselves. We encourage member countries to use the Newsletter for advertising purposes. All conferences and events will be advertised for free; if not a FASC country, or related event there could be a small charge. For advertising costs, contact Beth in the FASC office

FASC member countries

We are currently attempting to upgrade our country membership list. There is a small charge associated with membership. Please contact the treasurer, Prof Yonas Chebude for information (yonasc@faschem.org ; yonasdb1@yahoo.com).

CHEMISTRY NEWS

Corona virus data

The numbers of virus cases (and deaths) keeps rising. But there are many sites now available that summarise the current status of drug development.

- i) **Some useful sites for hard data**

<https://ig.ft.com/coronavirus-global-data>

<https://ourworldindata.org/coronavirus>

<https://www.worldometers.info/coronavirus/>

FRONTIERS IN CHEMISTRY – SPECIAL VOLUME ON AFRICA

Frontiers in Chemistry (<https://www.frontiersin.org/journals/chemistry>)

Submission of a paper to the special edition of *Frontiers in Chemistry*: Celebration of the 15th Anniversary of FASC

The Federation of African Societies of Chemistry (FASC) was established in 2006 as a vehicle to bring together the chemistry community on the African continent. Among the objectives of the organization is the dissemination of chemical knowledge; especially research carried out on the continent. FASC has thus pursued its objectives through a variety of activities, which includes its biennial general assembly that usually forms part of a member society's conference. Such conferences and general assembly bring the community of chemists from the continent and elsewhere to disseminate new knowledge and deliberate the affairs of the organization.

To achieve this we have partnered with Frontiers in Chemistry (impact factor 3.69). It is our hope that as we enter the 15th year of FASC, we can showcase with Frontiers in Chemistry some of the excellent work produced by chemists on the African continent and elsewhere who have over the years been part of the FASC family to celebrate this continental organization.

Frontiers in Chemistry is an Open access journal and thus costs will be borne by the authors. We have however negotiated with Frontiers in Chemistry to obtain reduced rates for authors. Authors will need to negotiate the discounts directly with Frontiers in Chemistry, as the discounts will be country dependent. Details for this can be obtained from:

Lucy Chappel

Journal Specialist, Frontiers in Chemistry

Frontiers Editorial Office – Publishing Development

chemistry@frontiersin.org

We welcome submissions of Original Research, Review, Mini Review, and Perspective articles that address:

- Any area of chemical research from the African continent
- A focus on Green Chemistry, which has been a focal point of FASC meetings
- Exciting new results, recent work or topical reviews that provide insights to areas of chemistry where the authors have worked extensively

Prof James Darkwa

Guest editor

African Chemical Society News

i) Mauritanian Chemical Society

The Mauritanian Chemical Society organised a one Open Day event on Academy-Research-Industry Relationships 'Journée portes Ouverte sur les Relations Académie-Recherche-Industrie (JORARI-2021)' on 26 May 2021 at Nouakchott Region Building; Nouakchott; Mauritania.

More information can be obtained online on: <http://www.scm Mauritania.org/jorari2021/>

Dr M A Sanhoury

Email senhoury@yahoo.com

URL : <http://www.researcherid.com/rid/I-7813-2013>

African Academy of Sciences

i) Affiliates Membership Programme

Forty promising African early career researchers recognised Nairobi, Kenya, Friday 19 March 2021.

The African Academy of Sciences (AAS) has selected 40 promising researchers for its sixth cohort of the Affiliates Membership Programme designed to recognise, mentor and develop early career researchers into world class research leaders.

Five new members in the Chemical Sciences were elected. This month we highlight our third affiliate: Dr Cynthia Ibeto from Nigeria



<https://www.aasciences.africa/affiliates-all?discipline=24&cohort=219&country=All&name-starts-with>

Cynthia N. Ibeto is a Senior lecturer at the University of Nigeria Nsukka (UNN). In 2010, she obtained her PhD (Analytical Chemistry) from UNN. She was an Academic Research Fellow of the National Centre for Energy Research and Development, UNN (2008 - 2016) and worked extensively on optimization of production processes and analysis of biofuels. She is an Environmental/Analytical Chemist, has assessed a variety of persistent organic pollutants and is working on adding value to waste materials via bioremediation. She is a member of the UKRI Peer Review College and has received a number of scholarships/awards notably; Analytical Chemistry Trust Fund, Developing World Scholarship 2014; Schlumberger Faculty for the Future Fellowship award 2016/2017 and Royal Society of Chemistry Research Mobility Grant 2020. She is the Periodic Table of Younger Chemists Awardee representing Argon for the celebration of IUPAC 100 and International Year of the Periodic Table (2019). She received a Gold Award of Excellence (2019) and Fellowship Award (2020) for significant contributions to Chemical Society of Nigeria and the Chemistry profession. She has served in different capacities as Vice Chairman, Enugu State Chapter - Chemical Society of Nigeria (CSN) (2014-2018) and Technical Secretary (Editor-in-Chief/Technical Editor) Solar Energy Society of Nigeria (2013-2017). She is the Coordinator, Women in Chemistry (Nigeria); Vice-Chairman, Organization for Women in Science for the Developing World, UNN and Faculty Advisor, American Chemical Society, UNN Chapter. She has served as Chair of various Scientific Committees, attended many International Conferences, supervised several postgraduate students and co-authored over fifty publications.

Taken from AAS news

Green and Sustainable Chemistry – submission of articles from African chemists

Green and Sustainable Chemistry is an important theme in FASC.

i) *IUPAC book on Green Chemistry*

CALL FOR CONTRIBUTIONS FOR A BOOK ON GREEN CHEMISTRY IN SUB-SAHARAN AFRICA

(IUPAC PROJECT 2021-005-1-041, <https://iupac.org/project/2021-005-1-041>)

This is an invitation to contribute a chapter to the book mentioned in the title.

If you are interested, please, send me an abstract (sasdestria@yahoo.com) before July 15, 2021. The abstract should not exceed one page (Times New Roman 12, single spacing, 2.5 cm margins on all sides). Under the title, the abstract should contain the names of all prospective authors, their institutions, and the e-mail of the corresponding author. The deadline for the submission of complete manuscripts will be 31-12-2021.

For any other information that you would like to have, please contact me.

Looking forward to many chapters...

Important note: Papers reporting the results of typical environmental chemistry studies (such as studies determining the presence of specific pollutants in a given environment) do not fall within the scope of this book.

Liliana Mammino (University of Venda, South Africa) sasdestria@yahoo.com + Project Task Group

Younger Chemists' News

i) **Post-graduate Summer School on Green Chemistry**

The Green Sciences for Sustainable Development Foundation (www.gssd-foundation.org) is organizing the 13th Edition of the **Post-graduate Summer School on Green Chemistry that will be held from the 4th to 10th of July 2021 in Venice.**

This Summer School follows the 12 previous editions held from 1998 to 2020, but will be the first one organized both **on site** and **online**.

As we already announced this year the school will be held **on line** and also **in person**. All the applications for a grant were evaluated by the Scientific Committee. From admitted and already granted students **27** have confirmed to attend the Summer School in-person modality and **42** have confirmed to attend the Summer School online modality.

This email is for soliciting applications from post-graduate students willing to attend the Green Chemistry summer school.

We all know that the COVID-19 pandemic is evolving differently from country to country and from time to time. Therefore, domestic and international travel restrictions are being imposed differently and sometimes unexpectedly. Therefore, we have requested all in-person participants to obtain the latest update on COVID-19 situation and travel restrictions in their own country as well as in Italy before making any travel plans. About the latest updates on international and domestic travel restrictions to and within Italy, the following link can be helpful:

<http://www.salute.gov.it/portale/nuovocoronavirus/dettaglioContenutiNuovoCoronavirus.jsp?lingua=english&id=5412&area=nuovoCoronavirus&menu=vuoto>

You can find complete information and updates about the Summer School at the following website: www.greenchemistry.school.

Interested students can apply till 1st of June 2021 at the following website link: <https://www.greenchemistry.school/apply/>

Please note that: Students who like to come personally in Venice **and need an Italian visa**, are requested to send (i) abstract of their research; (ii) copy of passport, and (iii) supporting statement for in-person attendance from their professors/mentors. These documents will be useful for speeding up the issuing the visa-related documents and obtaining an entry visa to Italy.

Now, we would kindly request you again to share this letter with your networks, colleagues, students, etc., who are interested to attend the Summer School in person or on-line.

The Organizers

E-mail: green.chemistry@unive.it

Web: www.unive.it/ssgc

Facebook: <https://www.facebook.com/greenchemvenice2020/>

Twitter: <https://twitter.com/greenchemsummer>

Instagram: <https://www.instagram.com/greenchemsummer/>

ii) Commonwealth Chemistry Congress

A report on this event will be given in the next newsletter.

iii) African Young Chemists Network (AYCN)

The African Younger Chemists Network (AYCN) seeks to display the unique talents of young researchers on the continent and to provide a platform for constructive career development and engagements across the globe. Currently, the AYCN is in its development stage, and is looking for enthusiastic volunteers for the following subcommittees:

Finance, governance, membership, international liaison, social media, and public outreach.

If you would like to be involved, please fill out your details via the link below.

https://docs.google.com/forms/d/e/1FAIpQLSfHicSdblbYL2mbkcggREUrb-kfvEwc7KU_bnczve9lx0j1Bw/viewform

For more information please contact Ms Bianca Davids at aycn.chemists@gmail.com See the Google form link introducing the AYCN and requesting volunteers to populate the various subcommittees. <https://forms.gle/hVAM8UeEY57hjusPA> The form will be open until the end of the year.

Contact email: aycn.chemists@gmail.com; Contact people: Ms Bianca Davids, Dr Sadhna Mathura

iv) International Young Chemists Network (IYCN)

Professional Development Skills:

The International Younger Chemists Network (IYCN; <https://www.iycnglobal.com/>), affiliated organization of the International Union of Pure and Applied Chemistry (IUPAC) is organizing a **series of FREE live workshops** devoted to support and empower early-career chemists with **professional development skills** to advance their careers.

Stephen O Aderinto: soaderinto1@sheffield.ac.uk

Royal Society of Chemistry News



i) Arrival of Ellie Peters

I am pleased to announce that Ellie Peters has joined my team as Strategic Partnerships Admin Assistant as a replacement for Francesca Porcu.

Ellie will be supporting me in delivery of the RSC/GSK Courses in Analytical Chemistry and all the activities that we deliver as part of the Pan Africa Chemistry Network (PACN).

Ellie is not replacing Helen Driver. The role of Programme Manager, Africa continues to remain vacant, whilst we navigate our way through the pandemic and internally I work with Ale Palermo to see how the excellent work of the PACN compliments our recently launched Commonwealth Chemistry initiative.

Ellie can be contacted via email at africa@rsc.org

Any questions please do not hesitate to get in contact. Thank you and with kind regards
Alison

*Dr Alison Eldridge,
Manager, Strategic Partnerships*

ii) GSK/RSC Hands-On LCMS & GCMS Training Courses

Rescheduled dates for 2021

We are pleased to announce that the postponed Royal Society of Chemistry and GSK Hands-On LCMS (Liquid Chromatography with Mass Spectrometry) and GCMS (Gas Chromatography with Mass Spectrometry) training courses have now been rescheduled for 2021.

Priority will be given to those who were accepted to attend the cancelled 2020 courses, but places still remain on a large number of the courses later in the year. Please see the below timetable which we will update in due course and we will be sending out further updates as applications open for the courses over the coming months. Please email Africa@rsc.org with any enquiries.

We are also pleased to announce that Ellie Peters has joined the team as Strategic Partnerships Admin Assistant as a replacement for Francesca Porcu. Ellie can be contacted via the Africa@rsc.org email address.

Course Type	Location	2021 Dates
GCMS	Kenya	24 th - 28 th May 2021
GCMS	Kenya	21 st - 25 th June 2021
LCMS	Kenya	5 th - 9 th July 2021
GCMS	Ghana	6 th - 10 th Sept 2021
LCMS	Kenya	9 th - 13 th Aug 2021
GCMS	Ethiopia	Early Sept 2021 [TBC]
GCMS	Nigeria	15 th - 21 st Nov 2021
LCMS (Extra)	Ghana	Late Oct/Early Nov 2021 [TBC]

Commonwealth Chemistry News

A report on the event held in May will be published in the next newsletter.

AFRICAN JOURNALS OF CHEMISTRY

- **Society of African Journal Editors**

We are very pleased with SAJE members' responses to submit information about their journals, including the number of articles published.

A second report of African Journals (1501 journals) has now been published (February 2021 African Journals Report), and you can download it and the ranking according to subjects as PDFs (<https://africaneditors.org/reports>).

An update of the African Journals Report will be released in July 2021.

SAJE Report Team

- **Journals in Africa (Chemistry)**

- **Scientific African**

Published by the [Next Einstein Forum](https://www.next-einstein-forum.com) in collaboration with Elsevier.

<https://www.journals.elsevier.com/scientific-african>

- **Journal of the Kenya Chemical Society (JKCS)**

This is a peer-reviewed multi-disciplinary chemistry journal published by the Kenya Chemical Society (KCS). JKCS publishes findings from all areas of chemistry including organic, inorganic, physical, analytical, materials chemistry and nanoscience, computational chemistry and environmental chemistry. JKCS also publishes reviews in all areas of chemistry. Published articles are available at <https://kenyachemicalsociety.org/journals>. Manuscripts should be submitted to the Editor-in-Chief at eic.jkcs@gmail.com for processing and peer-review.

- **Chemistry Africa.**

A Journal of the Tunisian Chemical Society

https://www.springer.com/chemistry/journal/42250?utm_source=hybris&utm_medium=email&utm_content=internal&utm_campaign=JFTT_2_2018newjournals

- **Journal of the Mauritanian Chemical Society (JMCS)**

Publishes research articles and conference proceedings in English or French. This is published online at: <http://www.scm Mauritania.org/journal-scm>; M A Sanhoury, JMCS Coordination Editor.

- **South African Journal of Chemistry**

This Journal is published electronically. The webpage is: <http://www.saci.co.za/>. Details of the journal and the editors can be seen at <http://www.journals.co.za/sajchem/>. The South African Journal of Chemistry, published by the South African Chemical Institute, has been publishing high quality papers, in all fields of Chemistry for over 100 years. The Journal went fully electronic in 2000 and is freely available through open access online (http://reference.sabinet.co.za/sa_epublication/chem).

- **African Corrosion Journal (online).**

Commenced in 2015 – a peer reviewed corrosion journal. This journal may be of interest to the “practical” chemists amongst the SACI membership. <https://view.publitas.com/icp-1/african-corrosion-journal>

- **African Journal of Chemical Education**

Enquiries and manuscripts should be addressed to the Editor-in-Chief: email eic@faschem.org, PO Box 2305, Addis Ababa, Ethiopia. *AJCE*, 2016, 6(1) ISSN 2227-5835 The online version appears in the FASC website (www.faschem.org) and in the AJOL website (www.ajol.info).

- **South African Journal of Science** TOC@assaf.org.za

- **Journal of the Chemical Society of Nigeria**

csnjournals@gmail.com; csnjournals@yahoo.com; editor@chemsocnigeria.org

- **Bulletin of the Chemical Society of Ethiopia**

<http://www.ajol.info/index.php/bcse/index>

- **South African Journal of Chemical Engineering**

A fully open access journal <http://www.journals.elsevier.com/south-african-journal-of-chemical-engineering/>

- **African Journal of Pure and Applied Chemistry**

Editorial Office: ajpac@academicjournals.org help desk: helpdesk@academicjournals.org

URL: www.academicjournals.org/journal/AJPAC

CONFERENCES/WOKSHOPS

Upcoming events

- i) **Virtual Conference on Chemistry and its Applications (VCCA-2021)** 9-13 August 2021, Mauritius. VCCA-2021 will provide an online platform for participants to present, share and discuss recent findings of their research covering all topics related to Chemistry and interdisciplinary Sciences. The theme is “Chemical Sciences for the New Decade”. There will be four Nobel laureates among the speakers. More details can be found on the website: <http://sites.uom.ac.mu/vcca2021>. Deadline to submit an abstract is 1st June 2021. All abstracts will be reviewed and accepted abstracts will be collected in the books of abstracts. After the virtual conference, there will be a call for full papers for the book of proceedings to be published by De Gruyter (this is optional).
- ii) **IUPAC CHEMRAWN XXII E-waste in Africa conference**, 9-11 November, 2021, Lagos, Nigeria
- iii) **XVth International Symposium on Environment, Catalysis and Process Engineering** 23 -25 November 2021 Marrakech, Morocco
- iv) **26th IUPAC International Conference on Chemistry Education**, 18-22 July 2022, Cape Town
- v) **3rd IEEE conference on Design and Test of integrated micro and nano-Systems** , 7-10 June 2020, Tunisia
- vi) **Post-graduate Summer School on Green Chemistry**, Venice, Italy (4-10th July 2021). www.greenchemistry.school
- vii) **African Materials Research Society (AMRS 2021)** Dec 2022, Dakar, Senegal www.africanmrs.net
- viii) **ABC Chemistry conference** Morocco Dec 2022

Detailed conference information

i) Virtual Conference on Chemistry and its Applications (VCCA-2021)



Virtual Conference on Chemistry and its Applications
 Research and Innovations in Chemical Sciences: Paving the Way Forward
 1st to 31st August 2021

OVERVIEW

The Virtual Conference on Chemistry and its Applications (VCCA-2021) will be held from 9 to 13 August 2021. The Organising Committee has adopted the theme “*Chemical Sciences for the New Decade*” for this virtual event.

At the dawn of the new decade, research in Chemical Sciences can be useful in achieving some of the goals set by the United Nations for Sustainable Development Goals of our planet.

This virtual conference will provide an online platform for participants to present, share and discuss recent findings of their research, covering all topics related to Chemistry and interdisciplinary Sciences, in the current situation the world is facing due to COVID-19.

DEADLINES

Abstract Submission	1 st June 2021
Notification of Acceptance	15 th June 2021
Early Registration	1 st July 2021
Presentation Submission	20 th July 2021
Full Paper (Optional)	1 st November 2021

TOPICS

- Agricultural Chemistry
- Analytical Chemistry
- Biophysical Chemistry
- Chemical Biology
- Chemical Engineering
- Chemical Physics
- Chemical Safety
- Cheminformatics & Bioinformatics
- Chemistry Education
- Chemistry of Natural Products
- Computational/Theoretical Chemistry
- Cosmetics Chemistry
- Environmental Chemistry
- Food Chemistry
- Forensic Science
- Industrial Chemistry
- Inorganic Chemistry
- Material Science & Nanotechnology
- Medicinal Chemistry
- Organic Chemistry
- Petroleum Chemistry
- Pharmaceutical Chemistry
- Physical Chemistry
- Polymer Chemistry
- Interdisciplinary Chemistry Fields

Four Nobel laureates confirmed their participation in VCCA-2021.

The virtual conference will be held online and there will not be the need to travel.
There is no need to be always online as there will not be live presentations.

We look forward to welcoming you, academicians and researchers,
to participate in this virtual conference.

For more information about the conference, registration, and submission of abstract, please visit:

<https://sites.uom.ac.mu/vcca2021/>

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Réduit 80837, Mauritius

 +230 4037507
  vccamru@uom.ac.mu
  cchemuom

ii) IUPAC CHEMRAWN XXII E-waste in Africa conference

HYBRID EVENT: VIRTUAL/LIMITED-IN-PERSON

REGISTER EARLY!

THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY (IUPAC) AND THE CHEMICAL SOCIETY OF NIGERIA (CSN)

Announces

IUPAC CHEMRAWN XXII- E-WASTE IN AFRICA CONFERENCE

IN CONJUNCTION WITH **44TH** ANNUAL INTERNATIONAL CONFERENCE OF THE CHEMICAL SOCIETY OF NIGERIA @ **50th** ANNIVERSARY 1971 - 2021

Theme:

Global Electrical & Electronic Waste: Health Hazards For Africa

Sub Themes:

Health Implications | Management
Recycling | Disposal | Economics

Pre-conference activities: November 7-8, 2021 | **Conference Days:** November 9-11, 2021

Online (virtual): Zoom | **Onsite (for Limited-in-person):** Yard 158, Oregun, Lagos, Nigeria

SPEAKERS:

□ Professor Aliyu Jauro, NESREA	□ Leiv K. Sydnes
□ Oladele Osibanjo, Nigeria	□ Christer Forsgren, Stena Recycling, Sweden
□ Frederico Magalini	□ Veena Sahajwalla, Australia
□ Rohan Perera And Farid Tata	□ Nadia Kandile, Egypt
□ Seun Popoola, Nigeria	□ Jay O. Oghifo
□ Diana Purchase, UK	□ Leiv K. Sydnes, Norway
□ Adrian Clews, Hinckley Recycling	□ Mrs. Adebayo Fasawe, LASEPA

Registration Sponsorship and Exhibition opportunities
Call for Abstracts Submission www.e-wasteafrica.org

nearea **LASEPA**
LAGOS STATE ENVIRONMENTAL PROTECTION AGENCY

Signed: Prof. Moses Nkem CHENDO
CSN President

Prof. Leiv SYDNES
Chair IAB

Prince Jay Oghifo
Chair, LOC

iii) **XVth International Symposium on Environment, Catalysis and Process Engineering (23 - 25 November 2021 | Marrakech, Morocco)**

Conference Dates: November 23-25, 2021

Abstract Submission Opens: October 29, 2020

Registrations Opens: November 02, 2020

Contact info: Abdelhak.kherbeche@ecgpmorocco.com; 00212-661-081-734

iv) **26th IUPAC International Conference on Chemistry Education**

The Covid-19 pandemic has led to profound changes in the way we work and live. The current steep increase in cases as well as the uncertainty about international travel means that it is no longer feasible to host the 26th IUPAC International Conference on Chemistry Education in Cape Town in January 2021. The IUPAC Committee for Chemistry Education has agreed to a further postponement of the conference to July 2022. The conference will be known as **ICCE 2022**. Preliminary information about **ICCE 2022** is given below.

Dates: 18-22 July 2022

Venue: Lagoon Beach Hotel and Conference Venue

Abstracts

The call for abstracts will be re-opened on 4 October 2021. If you have already submitted an abstract, you will be invited to resubmit your abstract when the submission process re-opens.

Registration

Registration will re-open on 4 October 2021. Should you have already paid your registration fee, we are pleased to advise that we will honour the 2020 registration fees. All unpaid registrations will be carried over to the 2022 event and re-invoiced at the revised registration fee. You are free to cancel your registration and to re-register for ICCE 2022 at the new rates. **Please click on the link below to submit your response.**

We look forward to seeing you in Cape Town in July 2022 and ask you to circulate this notice to your colleagues who may not be members of SACI.

Please address any questions to icce2022@allevents.co.za and consult the website, <https://www.icce2022.org.za/>, for regular updates.

The Local Organising Committee for ICCE 2022

For registration queries: +27 (0)21 910 1913 • email: icce2022@allevents.co.za
Event Organiser office: +27 (0)21 712 0571
email: icce@eventmanagementsolutions.co.za

v) 3rd IEEE conference on Design and Test of integrated micro and nano-Systems



3rd IEEE 2021 International Conference on Design & Test of integrated micro & nano-Systems

June, 7-10, 2021 Sfax, Tunisia

<http://www.DTS-conf.org>

IEEE DTS'2021 CALL FOR PAPERS - EXTENDED DEADLINE

Virtual Interactive Event



Aim of the Conference: The third IEEE international conference on Design & Test of integrated micro & nano-Systems represents a scientific and technological event dedicated to integrated electronic systems which reach the nanoscale era. The interests of the conference cover all aspects of micro and nano systems from design to test. DTS is an important meeting where well known researchers from universities and companies will present the latest innovations in the field of micro and nano electronics. It will be also an opportunity for researchers to present and discuss their latest work.

All accepted and presented papers will be published on the DTS Conference Proceedings and submitted for possible publication on IEEE Xplore.

Papers Submission: Authors are invited to submit original and unpublished research work. Paper submissions should be complete manuscripts not exceeding six pages in a standard IEEE two-column format. The paper must clearly indicate the area, main results and contributions. The manuscript should follow the instructions included in the author's kit at the conference web site. Submitted articles should be in PDF format and uploaded to the on-line submission system.

A submission will be considered as evidence that, upon acceptance, the author(s) will prepare the final camera-ready version of the paper in time for inclusion in the proceedings, and will present the paper at the conference.

Best Paper award: A best paper award will be given during the conference.

Journal Special Issue: A selection of the best papers presented in the Conference will be considered for publication in a Special Issue of well-known international journals.

Papers are solicited in, but not limited to, the following topics:

Systems Design & Technology

- Analog, digital, mixed, and RF circuits design
- SoC, MPSoC, NoC, SIP, and NIP design
- Embedded electronics and System architecture
- MEMS, NEMS and MOEMS systems design
- Low-power electronics and systems design
- Sensory Systems Design
- Wireless communication systems design
- Opto-electronic System Design
- Biomedical Circuit & Systems
- Bio-engineering & Bio-chip design
- Linear & Non-Linear Circuits
- Power electronics and systems design
- Hardware co-design & FPGA design
- VLSI systems circuit and design
- DSPs and multiprocessor systems
- Embedded systems for Deep Learning
- Control Systems & Mechatronics
- Algorithms, methods and tools for modeling, simulation, synthesis and verification of ICs
- Algorithms, methods and tools for signal processing and image processing
- Algorithms, methods and tools for information security and cryptography
- Artificial Intelligence systems
- Electronic systems for energy harvesting applications
- GPS based engineering systems
- Process technologies, CMOS, BiCMOS, GaAs
- Microwave Systems & Integrated antenna
- 3D integration design and analysis
- ICs packaging

Systems Testing & Reliability

- Analog, digital, mixed, and RF circuits testing
- SoC, MPSoC, NoC, SIP, and NIP test
- On-line Testing and fault Tolerance
- Defect and Fault Modeling
- MEMS, NEMS and MOEMS Testing
- 3D testing
- Delay testing
- DFT, BIST and BISR
- Fault Simulation, ATPG
- Yield Optimization
- Memory & FPGA Test and Repair
- Automotive reliability and test
- Reliability failures and modeling
- Electronic System Reliability
- Test and Security Issues
- ATE Issues
- Alternatives test strategies

Nanotechnology and applications

- Nanomaterials and applications: Nanostructured / nanoporous Materials and devices, Carbon Nanostructures and devices, Polymer Nanotechnology and devices...
- Nanoscale Materials/devices Characterization and modeling
- Nanoelectronics: Nano-circuits and Nano-architectures,
- Microfluidics and Nanofluidics Systems
- Nano-sensors for environmental monitoring
- Nanotechnology for health care and diagnosis: BioMEMS and BioNEMS, Lab On chips and Biosensors, Implantable micro/nano systems...
- Nano/nitro Technologies based Energy harvesting and storage devices and microsystems: Renewable and Novel Energy harvesting approaches (innovative solar cells, piezoelectric and thermoelectric microsources), Energy storage devices and applications (fuel cells, supercapacitors etc.)
- Nanorobotics and Nano-manipulation

VLSI IoT Devices

- Ultra-low power VLSI design for IoT
- System on Chip for IoTs
- IoT Application oriented Technologies
- IoT communication systems
- Real-time IoT systems
- RFID systems
- IoT Services and Applications
- IoT nodes architectures
- Sensors and Actuators for IoT
- Power and Energy systems design for IoT nodes
- Connectivity for IoT
- Computing Platforms for IoT
- Data Acquisition, Storage and Management for IoT
- Security and Privacy Enhancing Technologies for IoT devices
- IoT System Interfaces
- Reliability of IoT VLSI

Key Dates for Paper Submissions:

Paper Submission Deadline : **January 16th, 2021**
 Notification of acceptance : **March 23rd, 2021**
 Final version due date : **April 6th, 2021**

Online submission: <https://cmt3.research.microsoft.com/DTS2021>

General Chairs

Dr. Salem Abdennadher
INTEL, USA
Pr. Mohamed Masmoudi
ENIS, University of Sfax, Tunisia

Program Chairs

Pr. Cherif Dridi
CRMN, Tunisia
Dr. Maher Rizkalla
IUPUI, USA
Pr. Trond Ytterdal
NTNU, Norway



vi) **Post-graduate Summer School on Green Chemistry, Venice, Italy**


GREEN CHEMISTRY
LIVE AND ONLINE
POSTGRADUATE
SUMMER SCHOOL
 4th-10th July 2021
 Venice, Italy

Logos at the top: GREEN SCIENCES FOR SUSTAINABLE DEVELOPMENT FOUNDATION, IUPAC, Ca' Foscari University of Venice, Department of Environmental Sciences, Informatics and Statistics, GREENOMICS, HeMain.

Organizers:
Pietro Tundo Chairman
Fabio Aricò
Aurelia Visa
Mirabbos Hojamberdiev

Topics:
 Benign synthesis routes
 Green catalysis
 Alternative solvents
 Renewable and green raw materials
 Green chemistry for energy
 Clean processes
 Green Chemistry education

Info at: <https://www.gssd-foundation.org>

Photo: Unsplash.com

African
chemistry

vii) **ABC Chemistry Conference 2022**

The conference date has been moved to late 2022. It will be held at the Palais des congrès –Marrakech, Morocco. FASC will be hosting the event.

We are hoping to have an excellent turnout from African member countries at this event. More information will be made available in the months ahead.

الجمعية المغربية للكيمياء التحليلية من أجل تنمية مستدامة

Association Marocaine de Chimie Analytique pour un Développement Durable

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Second Atlantic Basin Conference on Chemistry

Marrakech



Federation of African
Societies of Chemistry