

***1<sup>st</sup> International Conference on Ceramics and Geomaterials in Central Africa  
From November 28 to December 1, 2023  
Yaoundé – Cameroon***

This event is related to the CNRS program DSCA "**Dispositif de Soutien aux Collaborations avec l'Afrique Subsaharienne**", Project: *CeSTE – RMC / Céramiques silicatées pour le traitement des eaux, élaborées à partir de ressources minérales du Cameroun*

**General topic: Georesources for Ceramics: applications related to energy transition, water treatment and artificial intelligence**

*The official announcement of the scientific group: Composites and Advanced Ceramics Society (CACerS)*

**Historic**

The International Conference on Ceramics and Geomaterials in Central Africa (CGCA) is initiated by Professors Gisèle Lecomte-Nana (Limoges, France), Claire Peyratout (Limoges, France), Chantale Njiomou Djangang (Yaoundé, Cameroon), Dayirou Njoya (Yaoundé, Cameroon) and Elie Kamseu (Yaoundé, Cameroon) to enhance the scientific collaboration between laboratories in Central Africa and Europe. Moreover, the involvement of international researchers (out of Europe and out of Central Africa) will promote the building of international networks for research relationships as well as for students training and teaching.

**About CGCA-01**

This first edition of the International Conference on Ceramics and Geomaterials in Central Africa (CGCA-01) will be held in Yaoundé (Cameroon) on November 28 - December 1, 2023. It is organized by the Institute of Research for Ceramics (IRCER, CNRS and University of Limoges), the Faculty of Science of the University of Yaoundé I (Yaoundé, Cameroon) and the MIPROMALO research center (Yaoundé, Cameroon) and occurs under the auspices of the newly created Composites and Advanced Ceramic Society (CACerS) in Central Africa. The main target of CGCA 01 will be to highlight the main answers that can bring sustainable and innovative ceramic solutions to some critical societal challenges. CGCA-01 will include plenary and invited talks, oral presentations, a poster session and a round table. The eight topics covered by CGCA-01 are listed below:

- Ceramics and geomaterials processing;
- Sintering and consolidation mechanisms;
- Characterization, Structure – properties correlation;
- Low carbon materials, Environmentally Friendly Materials and Sustainability;
- Waste valorization and recycling;
- Porous ceramics;
- Properties of use and Industrial applications;
- Modelling and Artificial intelligence for materials science.

***The debate (round table) will be conducted on the topic "Artificial intelligence, modelling and Circular Economy in material science in Africa".***

Recognitions (engagement) and awards (selection by a jury) will be attributed during this conference.

**Conference language: English, except for plenary and invited talk (choice between French and English)**

**Estimated number of participants: > 150**

***Partners: UL, FS, UYI, MIPROMALO, IRCER (CNRS)...***  
***Sponsors: GFC, IMERYS, LABEX, IRCER (CNRS), FS, UYI...***

## IMPORTANT DATES

- 11/05/2023: 1<sup>st</sup> Call for contributions (oral or poster);
- 30/06/2023: Deadline for abstract submission;
- 21/07/2023: Notification of the decision to authors and opening of registrations.

## INSTRUCTIONS TO AUTHORS

A template for the abstracts is available on the website (<https://www.cacers.org/?lang=en>). Each abstract will extend to a maximum of one A4 page.

All summaries will be submitted online at <https://www.cacers.org/?p=471&lang=en> or sent by email to the address [cacerams@gmail.com](mailto:cacerams@gmail.com)

## REGISTRATION

The registration fees are fixed as follows:

- Universities, laboratories and corporates in Africa
  - 20 000 FCFA (32 €) for permanent academics and researches;
  - 32 500 FCFA (50 €) for corporates;
  - 6 500 FCFA (10 €) for students.
- Universities, laboratories and corporates located out of Africa
  - 100 000 FCFA (155 €) for permanent academics and researches;
  - 150 000 FCFA (230 €) for corporates;
  - 50 000 FCFA (80 €) for students.

## Organizing Committee

Philippe THOMAS (Laboratory IRCER, University of Limoges)  
Claire PEYRATOUT (Laboratory IRCER, University of Limoges)  
Fabrice ROSSIGNOL (Laboratory IRCER, University of Limoges)  
Hélène MEMY (Laboratory IRCER, University of Limoges)  
Philippe BLANCHART (Laboratory IRCER, University of Limoges)  
Gisèle Laure LECOMTE-NANA (Laboratory IRCER, University of Limoges)  
Nicolas TESSIER-DOYEN (Laboratory IRCER, University of Limoges)  
Rosellyne DERAMNE SEREWANE (University of Bangui, CAR)  
Anne-Marie ETO'O (University of Douala)

Jean-Claude TCHOUANKEU (University of Yaounde 1)  
Paul Désiré NJIGUI (University of Yaounde 1)  
Julius NDI NSAMI (University of Yaounde 1)  
Mohamed MOUAFON (University of Yaounde 1)  
Mamba MPELE (University of Yaounde 1)  
Charles Peguy NANSEU NJIKI (University of Yaounde 1)  
Dayirou NJOYA (University of Yaounde 1)  
Chantale NJIOMOU DJANGANG (University of Yaounde 1)  
Rodrigue KAZE (University of N'Gaoundéré)  
Boubakar LIKIBY (MIPROMALO)  
NDIGUI BILONG (MIPROMALO)  
Elie KAMSEU (MIPROMALO)  
Arlin Bruno TCHAMBA (MIPROMALO)  
Juvenal DEUTOU (MIPROMALO)

## Tentative Program

- ½ day (morning, 1<sup>st</sup> day): opening ceremony + first plenary + oral presentations + Lunch (Location: UYI)
- ½ day (afternoon, 1<sup>st</sup> day): second plenary + oral presentations + Poster session + Welcome cocktail (early evening, Location: UYI)
- ½ day (morning, 2<sup>nd</sup> day): Welcome speech of the Director of MIPROMALO + Oral presentations, (Location: MIPROMALO)
- ½ day (afternoon, 2<sup>nd</sup> day): Oral presentations + Poster session + cocktail (Location: MIPROMALO)
- ½ day (morning, 3<sup>rd</sup> day): Oral presentations + Poster + industrial stands (Location: UYI)
- ½ day (afternoon, 3<sup>rd</sup> day): debate + recommendation (Location: UYI) + Gala Diner (recognition medals + Awards; Location: Institut Français de Yaoundé)
- 4<sup>th</sup> day: Visit / Excursion

## Summary of main activities

- ✓ Plenary talks
- ✓ Sessions: Invited talks + oral presentations (mostly face to face, few online) + posters + short industrial presentations (3 min / stand)
- ✓ Selections (of Ph.D students): 3 awards for best oral talks and 3 awards for best posters
- ✓ Opening and closing ceremonies
- ✓ Presenting recognitions and awards
- ✓ Announcing the creation of the research group CACerS with concerns related to « **Energy transition, Health (water treatment), industrial ecology, recycling and artificial intelligence** »

## Scientific committee

**Honorary President:** Prof. Anne LERICHE, Hauts-de-France Polytechnic University, CERAMATHS, France

### Université de Limoges, IRCER UMR CNRS

**7315, France**

DR Fabrice ROSSIGNOL

Prof. Agnès SMITH

DR Pierre-Marie GEFFROY

Prof. Claire PEYRATOUT

Prof. Philippe BLANCHART

Prof. Sylvie ROSSIGNOL

Dr. Gisèle LECOMTE-NANA

Dr. Benoit NAIT-ALI

Dr. Youssef EL HAFIANE

Dr. Ameni GHARZOUNI

### Université de Limoges, E2LIM UR 24133, France

Prof. Emmanuel JOUSSEIN

Dr. Valentin ROBIN

### University of Yaounde I, Cameroon

Prof. Florence Uphie CHINJE

Prof. Paul-Désiré NDJIGUI

Prof. Charles NKOUMBOU

Prof. Antoine ELIMBI

Prof. Jean Marie NDJAKA

Prof. Charles Peguy NANSEU NJIKI

Prof. Justin NENWA

Prof. Jules Remy NDAM NGOUPAYOU

Prof. Dayirou NJOYA

Prof. Chantale NJIOMOU DJANGANG

Prof. Jean Aimé MBEY

Prof. Alphonse EMADACK

Prof. Georges KAMGANG YOUNBI

Prof. Alexis NGEUTEU

Prof. Richard TCHAKOUNTE

Dr Serge Hubert ZEBAZE TOGOUET

### MIPROMALO, Cameroon

DR NDIGUI BILONG

DR Elie KAMSEU

DR Arlin Bruno TCHAMBA

Dr Juvenal DEUTOU

### IMERYS Performance Minerals EMEA

Dr. Murielle PERRONNET

### University of Douala, Cameroon

Prof. Marie C. NTAMACK-NIDA

Prof. Jacques ETAME

Prof. Gilbert François NGON NGON

Prof. Anne-Marie ETO'O

Prof. Charles KEDE

### University of Buéa, Cameroon

Dr. Félicité MAJOUMO

Dr. Inès NGASSAM-OUM

### University of Dschang, Cameroon

Prof. Armand Sylvain Ludovic WOUATONG

Prof. Ignas TONLE KENFACK

Dr André NJOYA

### University of Cherbourg, France

Prof. David HOUVET

### University of N'Gaoundéré, Cameroon

Prof. Florence Uphie CHINJE

Prof. Rigobert TCHAMENI

Prof. Jean-Pierre NGUETNKAM

Dr. Jean-Bosco JOUDA

Dr. Richard MACHE

### Missouri University of Science and Technology, USA

Prof. William G. FAHRENHOLTZ

### University of Modena, Italy

Prof. Cristina LEONELLI

### University of Mons, Belgium

Prof. Maurice François GONON

### BCRC Mons, Belgium

Dr. Sandra ABDELOUAB

### Indiana University of Pennsylvania, USA

Prof. Sanda Andrada MAICĂNEANU

### North West University, USA

Prof. Ange-Thérèse AKONO

### University of Bangui, CAR

Prof. Bruno Serge GONIDANGA

Dr David Christian VONTO

### University of Ziguinchor, Sénégal

Prof. Diouma KOBOR

### University of Ndjamena, Chad

Prof. Jean Claude DOUMGANG

Prof. Richard TOIDITAN

### Université de Pala, Tchad

Dr.Philippe DOUWE

### Université de Lomé, Togo

Prof. Ayi Djiffa HOUNSI

Prof. Gado TCHANGBEDJI

### University of Cocody, Ivory Coast

Prof. Hervé GOURE DOUBI

Prof. Leon Koffi KONAN

### Ecole Normale supérieure de Libreville, Gabon

Prof. François EBA

Prof. Jean Aubin ONDO

Dr Jean Eudes BOULINGUI

Dr Estimé Ismael MBAGOU MVE-ZUE

### University Gamal Abdel Nasser, Guinea Conakry

Prof. Mamadou Yaya BALDE

### University Joseph KI-ZERBO, Burkina Faso

Prof. Lamine ZERBO

Prof Mohamed SEYNOU

Prof Brahima SORGHO

### University Nazi Boni, Burkina Faso

Prof Moussa GOMINA

Prof. Younoussa MILLOGO

### University of Bamako, Mali

Prof. Mama PLEA