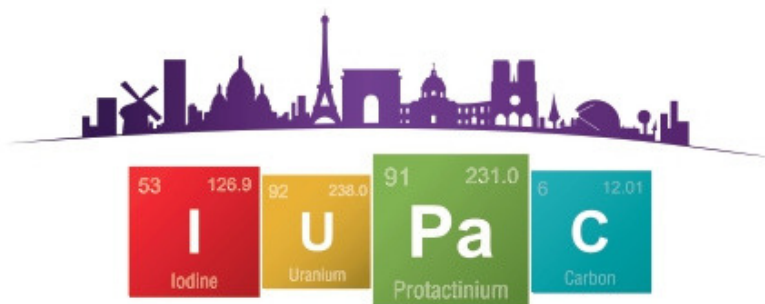*Under the High Patronage of*
Mr Emmanuel MACRON
President of the French Republic

IUPaC

PARIS, FRANCE

New symposium CT7: Latest Breakthroughs in Chemistry
Deadline for CT7 submission: May 21st

50th General Assembly
& 47th IUPAC World Chemistry Congress
«Frontiers in Chemistry: Let's create our Future! 100 years with IUPAC»

JULY 5-12 2019

SESSIONS AND ORGANISERS FOR CT7

- **Session CT7.1: Frontiers in Supramolecular Materials**

  Egbert Willem ("Bert") Meijer (TU/e, Eindhoven, NM)
  Jean-Marie LEHN (ISIS, Univrsity of Strasbourg-FR)

- **Session CT7.2: Highlights in Organic Chemistry and Homogeneous Catalysis**

  Amir HOVEYDA (ISIS, University of Strasbourg, FR ; Boston College, Chestnut Hill, USA)
  Janine COSSY (ESPCI, Paris, FR)

- **Session CT7.3: From Advanced Polymerizations to Controlled Macromolecular Architectures and Functional Polymer Materials**

  Krzysztof MATYJASZEWSKI (U-Carnegie Mellon, Pittsburgh, USA)
  Laurent BOUTEILLER (IPCM, Sorbonne Université, Paris, FR)

LIST OF PROPOSED THEMES AND SYMPOSIA

CHEMISTRY FOR LIFE

Symp 1.1: Chemistry for Synthetic Biology
Symp 1.2: Chemistry for Translational Medicine
Symp 1.3: Nanotechnologies for Health, Food and Beauty
Symp 1.4: Polymers and soft materials for Life Sciences

CHEMISTRY FOR ENERGY AND RESOURCES

Symp 2.1: Materials for Energy by Computational Design
Symp 2.2: New Approaches for Electrochemical Energy Storage and Conversion Systems
Symp 2.3: Turning Solar Energy to Fuels via Artificial Photosynthesis
Symp 2.4: Towards multi-Terawatt clean Photovoltaic Energy Conversion – Grand Chemical Challenges
Symp 2.5: Management of Renewable Energy Related Materials Resources
Symp 2.6: Chemistry and Nuclear Energy: new materials and processes for a sustainable nuclear energy

CHEMISTRY FOR THE ENVIRONMENT

Symp 3.1: Monitoring Chemicals for a Safer Environment
Symp 3.2: Addressing Environmental Issues through Bio-sourced Materials and Green Chemicals
Symp 3.3: Carbon Dioxide Capture, Storage, and Recycling
Symp 3.4: Catalysis, Sorption and Separation for a Cleaner Environment
Symp 3.5: Innovative Chemistry for Environmental Enhancement

CHEMISTRY ACROSS THE THEMES

Symp CT.1: Advanced Methodologies for Matter Characterization and better Knowledge
Symp CT.2: Sustainable Chemistry, Materials and Resources for the City of the 2050s
Symp CT.3: Hot Topics in Chemistry: a better world through Chemistry
Symp CT.4: Chemistry and Waves: an ocean for interdisciplinarity
Symp CT.5: New Challenges for Chemistry, Materials and Processes in Extreme Conditions
Symp CT.6: Hot Topics for the Industrial Chemistry of the 2050s
Symp CT. 7: Latest Breakthroughs In Chemistry

CHEMISTRY AND SOCIETY

Symp 4: *session 4.1:* Chemistry and Society: current knowledge
session 4.2: Scientific outreach vs Teaching, Perception and Communication in Chemistry
session 4.3: Chemistry and Society: intensifying the dialogue

CHEMICAL EDUCATION

Symp 5: *session 5.1:* Developing skills and values through chemistry education
session 5.2: Research and practice in chemistry education
session 5.3: Other topics

HISTORY OF CHEMISTRY

Symp 6: IUPAC and Chemistry: A Century of intertwined history, a common heritage for the Future (1919-2019)
session 6.1: IUPAC's legacy to Chemistry
session 6.2: IUPAC and the heritage of Chemistry
session 6.3: The Periodic Table at 150

YOUNG SCIENTISTS PROGRAMME

Symp 7: *session 7.1:* Scientific writing
session 7.2: New Channels and Challenges of scientific outreach
session 7.3: From Bench to the Market
session 7.4: Teaching
session 7.5: Recruiting and Networking
session 7.6: IYCN Symposium

SPECIAL SYMPOSIA

Symp. 8.1: A Global Survey on Gender Gap in Mathematical and Natural Sciences
Symp 8.2: Digital Chemistry and the Lab of the Future
Symp 8.3: Hommage to Eduard Hála
Symp 8.4: Empowering Women in Chemistry
Symp 8.5: Chemistry Addressing the UN-17 Sustainable Development Goals
Symp 8.6: Metal-mediated radical polymerization: a prime example of CNRS-supported French-American partnership

CONTACT US AT:
contact@iupac2019.org