



**12th International Colloquium
on Pulsed and Continuous Detonations
St. Petersburg, Russia, April 20–23, 2020**

Dear Colleague:

On behalf of the Organizing Committee, we invite you to take part in the **12th International Colloquium on Pulsed and Continuous Detonations (ICPCD)** to be held on **April 20–23, 2020** in St. Petersburg, Russia. The Colloquium venue will be in the historical center of St. Petersburg.

The objective of the Colloquium is to provide a forum to disseminate to the scientific community the international state-of-the-art and advancements made in experimental and computational fundamental and applied studies relevant to propulsion and stationary power systems of new generation operating on controlled detonations of gaseous, liquid and solid propellants.

The Colloquium is contemplated as a continuation of the previous eleven colloquia on detonations partly co-sponsored by the Russian Foundation for Basic Research and US Office of Naval Research (“Advances in Experimentation and Computation of Detonations” held in St. Petersburg in 1998; “Control of Detonation Processes” held in Moscow in 2000; “Advances in Confined Detonations” held in Moscow in 2002; “Application of Detonation to Propulsion” held in St. Petersburg in 2004; “Fifth International Colloquium on Pulsed and Continuous Detonations” held in Moscow in 2006; “Sixth International Colloquium on Pulsed and Continuous Detonations” held in Moscow in 2008; “Seventh International Colloquium on Pulsed and Continuous Detonations” held in St. Petersburg in 2010; “Eight International Colloquium on Pulsed and Continuous Detonations” held in Budva Riviera, Republic of Montenegro in 2012; “Ninth International Colloquium on Pulsed and Continuous Detonations” held in Pushkin (St. Petersburg) in 2014), “Tenth International Colloquium on Pulsed and Continuous Detonations” held in St. Petersburg in 2016, and “Eleventh International Colloquium on Pulsed and Continuous Detonations” held in St. Petersburg in 2018.

The Colloquium-2020 program will include four Technical Sessions:

- (1) Chemical Kinetics of Combustion and Detonation;**
- (2) Transient Combustion Phenomena in Various Media;**
- (3) Gaseous, Heterogeneous, and Condensed-Phase Detonations; and**
- (4) Applications of Fast Combustion Modes and Detonations in Industry and Propulsion.**

Each session will consist of plenary lectures and contributed oral presentations. A **Panel Discussion** will follow the Technical Sessions.

The deadline for 1-page abstract submission is **December 15, 2019** with the notification of acceptance by **January 15, 2020**.

The deadline for condensed (8-page) full manuscript submission is **February 15, 2020**. The manuscripts will be published in a book, which is planned to be available for participants at on-site registration.

All information on the forthcoming Colloquium will be available at the website www.icpcd.ru by October 15, 2019.

As usual, the Organizing Committee is planning the exciting cultural program for participants and accompanying persons.

Looking forward to hearing from you,

Yours sincerely,

Sergey Frolov
Colloquium Chair