

1st Announcement

30th International Symposium on Rarefied Gas Dynamics

July 10-14, 2016

University of Victoria

Victoria, BC, Canada



Rarefied Gas Dynamics

Rarefied Gas Dynamics (RGD) is a multidisciplinary field encompassing atomic and molecular physics, mathematics and computer simulation techniques.

Its foundations trace back to the fathers of statistical mechanics, Ludwig Boltzmann and James Clerk Maxwell who opened a new path and established a link between the microscopic and macroscopic worlds.

Today, RGD is a fully mature discipline which not only provides a continuous source of challenging mathematical problems but also the basis for many applications including high altitude flight, plasma physics, microfluidics, gas-surface interaction, and many more.

About the RGD symposium

The first symposium took place in Nice in 1958. Since then, researchers in the field meet every other year, alternating between Europe, Asia, Australia and the Americas.

Topics

Papers are invited to be presented in one of the following sessions:

- Boltzmann and Related Equations
- Clusters and Aerosols
- DSMC and Related Simulations
- Experimental Procedures in RGD
- Gas-Surface Interactions
- Granular Fluids
- Hybrid Methods
- Jet and Plumes
- Kinetic and Transport Theory
- Micro- and Nano-scale Flows and Devices
- Molecular Beam and Collisions
- Molecular Dynamics Simulations
- Moment Methods
- Numerical Solutions of Kinetic Equations
- Particle Methods for Flow Simulations
- Plasma Flows and Processing
- Radiation and Plasma Flows
- RGD in Astrophysics
- Reaction and Relaxation Processes
- Space Vehicles Aerodynamics
- Turbulence
- Vacuum Gas Dynamics

For more information please visit our website:

<http://rgd30.engr.uvic.ca/>



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Important dates:

January 2015: 1st announcement

June 2015: 2nd announcement with detailed dates for registration and abstract submission



University of Victoria

The University of Victoria is home to about 20,000 undergraduate and graduate students, and about 850 faculty. Continuously ranked among the best universities in Canada, and the world, UVic offers world-class education and research.

The garden-like campus is easy to reach by bus from anywhere in Victoria. For those not wishing to stay downtown, conference accommodation will be available in student housing (single rooms).



Victoria, BC

Beautiful Victoria is the capital of British Columbia, the most western Canadian Province. Located on the southern tip of Vancouver Island, Victoria has the mildest climate in Canada. Victoria boasts historic buildings, the lively harbour and downtown areas, and beautiful ocean and mountain vistas. As an international tourist destination, Victoria is home to a wide variety of hotels, restaurants and shops. Things to see include the Royal BC Museum, Chinatown, Parliament building, Empress Hotel, Beacon Hill Park, and Butchart Gardens. Whale watching tours are available at the harbour.



How to reach Victoria

Victoria International Airport is easy to reach with connections from Vancouver, Seattle, Calgary, San Francisco, and Toronto. Moreover, there are connections by seaplane or boat from Vancouver and Seattle, and car ferries from Port Angeles and Vancouver.

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