

Korea's Passion for and Achievements in Diverse and Emerging Subjects in Rarefied Gas Dynamics

The 32nd RGD-2020 in Seoul will be the first RGD symposium proposed to be held in South Korea since the 1st RGD in Nice, France in 1958.

Korea's passion for RGD on the scientific front can be seen in fundamental studies that date back several decades such as:

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Chul Park's work on 'Nonequilibrium Hypersonic Aerothermodynamics' (1990), a masterful guide for researchers working in space-vehicle aerodynamics or propulsion;

Byung-Chan Eu's work on 'Kinetic Theory and Irreversible Thermodynamics' (1992), which provided a theoretical foundation for RGD compatible with nonlinear irreversible thermodynamics beyond the linear regime.

Korea's achievements in RGD on the technological front can be seen in diverse applications in industrial sectors such as:

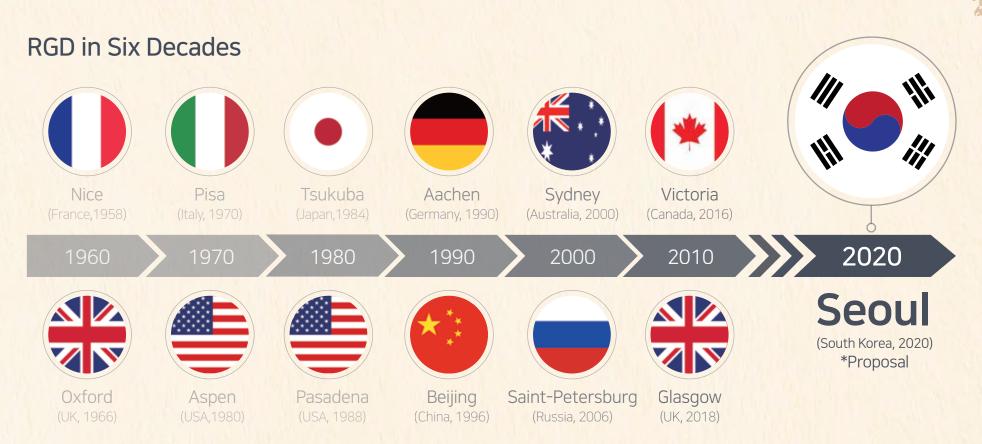
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Chemical vapor deposition processes that are used to produce high quality materials near vacuum in the semi conductor industry (SAMSUNG);

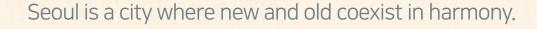
Organic vapor phase deposition processes that are used in the display industry (LG).

Korea's Passion for Diverse and Emerging Subjects in Rarefied Gas Dynamics

The first RGD symposium in South Korea will not only boost Korea's endeavor to further develop core scientific knowledge and practical applications based on Boltzmann-based gas dynamics, but also stimulate future generations around the world to contribute to diverse and emerging subjects in RGD.



Seoul as Host City for the 32nd International Symposium on Rarefied Gas Dynamics in 2020



Dynamic mix of new technology and rich history
Diverse spectrum of future and past: the Korean-Wave (Hallyu) and Panmunjeom



We are delighted to submit a proposal to host the RGD-2020 symposium in Seoul, South Korea. The planned symposium will serve as a global platform to bring together the best of current work on diverse and emerging subjects in rarefied gas dynamics.





Why Seoul?

Seoul—the capital of Korea for over 600 years—is a city where tradition and cutting-edge technology coexist in perfect harmony. With one foot in the past and another in the future, Seoul houses 266 cultural properties and is the center of the so-called "Korean Wave" sweeping Asia and beyond. Seoul is also one of the safest places in the world for foreign travelers.

Great accessibility: flight and visa

Convenience and world-class transportation

Diverse and affordable accommodation

Secure environment and warm hospitality

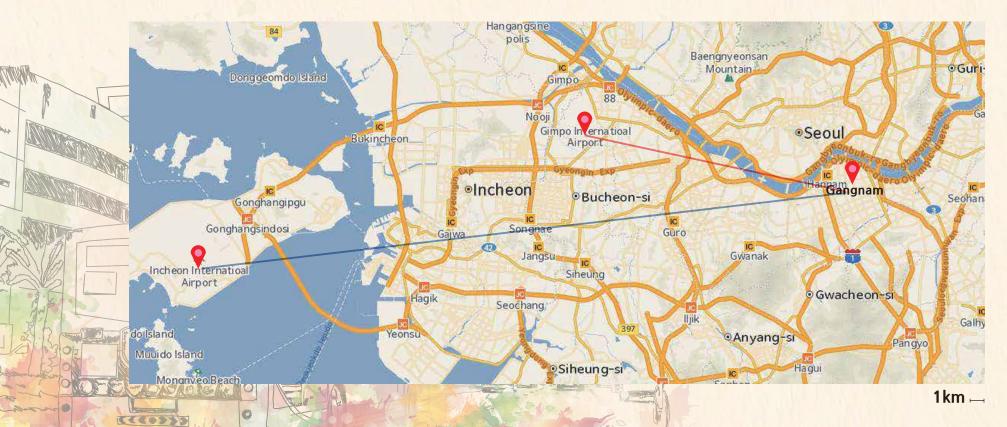
Dynamic cityscape and traditional/global cuisine

July weather in Seoul: many ways to cool down

Convenient Transportation (Flight)

From Incheon International Airport to Downtown Seoul

Business travelers have easy access to Seoul and its hotels from Incheon and Gimpo International Airports. Non-stop airport limousine buses and taxis provide a travel time of around one hour, and the AREX high-speed rail service connects with the Downtown Seoul Station in a mere 51minutes.



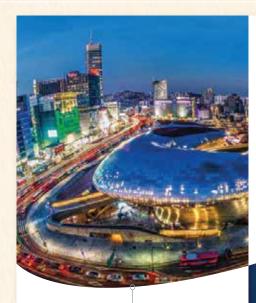
Convenient Transportation (Subway)

The Seoul Metropolitan Subway

447 stations on 9 routes of a total length of 331.5 km (206.0 mi) are serviced by the Seoul Metropolitan Subway, which 2.6 billion people use annually. The Seoul Subway is known as one of the fastest and most efficient transportation systems in the world. Announcements in Korean, English, Japanese, and Chinese are provided in the subway cars to inform the next station and subway transfer points.

Туре	Stations	Estimated Time (Minute)	Fare (1,000 Won = 1 USD)
Commuter Train	Incheon Int'l Airport Terminal 2 - Incheon Int'l Airport Terminal 1- Incheon Int'l Airport Cargo Terminal - Unseo - Yeongjong -Cheongna Int'l City - Geomam - Gyeyang - Gimpo Int'l Airport - Digital Media City - Hongik Univ Gondeok - Seoul Station	66	KRW 4,750
Express Train	Incheon Int'l Airport Terminal 2 - Incheon Int'l Airport Terminal 1- Seoul Station	51	KRW 9,000

Explore Seoul and Korea



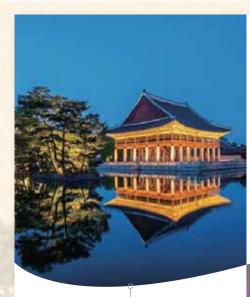
Dongdaemun Design Plaza (DDP) National Museum of Korea





Olympic Park

Explore Seoul and Korea



Royal Palaces

Bukchon Hanok Village





Korea Folk Village (KFV)

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The 32nd

