

2022 Winter Conference on Plasma Spectrochemistry Tucson, Arizona, January 17 – 22, 2022

Conference Background

THE MEETING

The biennial **Winter Conference on Plasma Spectrochemistry** is sponsored by the ICP Information Newsletter, Inc., a nonprofit, philanthropic research organization located in Hadley, Massachusetts and Lehigh Acres, Florida, and organized by Dr. Ramon Barnes of the University Research Institute for Analytical Chemistry. Previous meetings were held in Arizona, California, Florida, Hawaii, and Puerto Rico (Table). Attendance has grown from 170 in 1980 to more than 600 with worldwide scientific participation representing 30 countries. Technical sessions comprise lectures and posters describing application, fundamental, and instrumentation developments with popular electrical plasma sources. The inductively coupled plasma (ICP), glow discharge sources, microwave induced plasma, direct current plasma, and laser-assisted plasma spectrochemistry are featured. New spectrometric instrumentation, novel sample introduction systems, plasma system automation, sample preparation approaches, elemental speciation, spectroscopic standards, quality assurance, new diagnostic methods, and theoretical treatments are highlighted. More than 300 technical papers are presented, and selected papers have been published together as the Conference proceedings in *Spectrochimica Acta, Part B* (1981-1987), *Journal of Analytical Atomic Spectrometry* (1988-2020), and *Journal of Analytical Bioanalytical Chemistry* (1998-2006). The proceedings of the 2022 Winter Conference will appear in these major spectroscopy journals during Fall 2022.

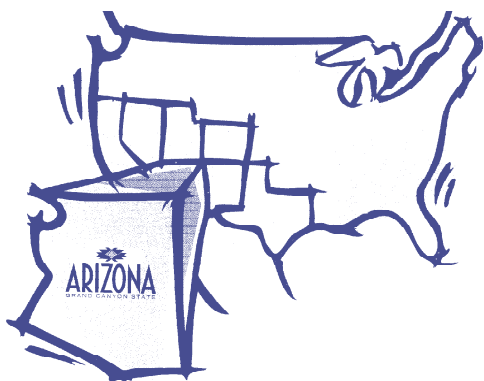
Some in the field consider the Winter Conference one of the technically most significant meetings convened on these topics. Eighteen European Winter Conferences have been held as well (Table). The next European Winter Conference will be in Ljubljana, Slovenia (February 2023). Seven Asia-Pacific Winter Conferences have been held in China, Japan, Korea, and Thailand (Table).

THE PEOPLE

The Winter Conference attempts to bring together the major figures in the field of plasma spectrochemistry in a comfortable and informal setting to promote maximum information exchange and conversations. We accomplish this by inviting keynote speakers, employing principals to organize and chair sessions and discussions, and by offering technical short courses taught by experts. Furthermore, experienced and novice analytical chemists seeking to share and expand their experiences in plasma spectrochemistry participate actively. Invited speakers include distinguished international experts and award recipients. Heritage lecturers, workshops, and symposia will be arranged and chaired by many of the leaders in the field.

THE LOCATION

Warm-weather sites are selected for the Winter Conference to promote the relaxed atmosphere conducive to effective scientific information exchanges. The 2022 Winter Conference will be held at the El Conquistador Tucson, a Hilton Resort, located in Tucson, Arizona, only 20 minutes north of the Tucson International Airport (www.flytucson.com) and conveniently served by major interstate highways. Tucson is 115 miles (184 km) south of Phoenix.



Winter Conference on Plasma Spectrochemistry

Year	City	State
1980	San Juan	Puerto Rico
1982	Orlando	Florida
1984	San Diego	California
1986	Kailua-Kona	Hawaii
1988	San Diego	California
1990	St. Petersburg	Florida
1992	San Diego	California
1994	San Diego	California
1996	Fort Lauderdale	Florida
1998	Scottsdale	Arizona
2000	Fort Lauderdale	Florida
2002	Scottsdale	Arizona
2004	Fort Lauderdale	Florida
2006	Tucson	Arizona
2008	Temecula	California
2010	Fort Myers	Florida
2012	Tucson	Arizona
2014	Amelia Island	Florida
2016	Tucson	Arizona
2018	Amelia Island	Florida
2020	Tucson	Arizona

European Winter Conference on Plasma Spectrochemistry

Year	City	Country
1985	Leysin	Switzerland
1987	Lyon	France
1989	Reutte	Austria
1991	Dortmund	Germany
1993	Granada	Spain
1995	Cambridge	England
1997	Gent	Belgium
1999	Pau	France
2001	Harjell	Norway
2003	Garmisch-Partenkirchen	Germany
2005	Budapest	Hungary
2007	Taormina	Italy
2009	Graz	Austria
2011	Zaragoza	Spain
2013	Krakow	Poland
2015	Münster	Germany
2017	St Anton	Austria
2019	Pau	France
2023	Ljubljana	Slovenia

Asia-Pacific Winter Conference on Plasma Spectrochemistry

2005	Chiang Mai	Thailand
2006	Bangkok	Thailand
2008	Tsukuba	Japan
2010	Chengdu	China
2012	Jeju	Korea
2015	Xiamen	China
2017	Mastue	Japan