



North American Catalysis Society Meeting San Francisco, CA June 7-12, 2009

Welcome from the Meeting Co-Chairs

The Pacific Coast Catalysis Society welcomes you to the 21st North American Catalysis Society Meeting (NAM).

This gathering marks the 40th anniversary of the first of these meetings, held in Atlantic City in 1969 and hosted by the Philadelphia Catalysis Club. We can only gaze in awe at the accomplishments of the giants who brought us here as a community and at the accomplishments of our discipline since that time. We look forward to the bright future that we continue to build together. Even the two short years since we last gathered in Houston have seen catalysis continue and broaden its tradition of impact on critical issues of sustainability, chemicals synthesis, energy conversion and use, and protection of the environment. This meeting continues the community's tradition of excellence and its history as a forum for recent and novel contributions from industrial, academic, and government laboratories. We face formidable economic and technical challenges today—as we have before. We gather here, together with nearly 1,000 scientists and engineers from more than 39 countries, because these challenges can be met only by science and technology, with catalysis and catalytic processes at the forefront.

The technical program reflects the vigor and importance of catalysis as the enabling discipline in the production of fuels, chemicals, and materials, in the conversion and use of energy and its carriers, and in the prevention and remediation of environmental impacts. Faithful to our tradition of bringing the latest research to the community, this meeting reflects a significant new emphasis on catalytic routes to address the energy and environmental challenges that we face.

We have many people to thank. We remain in debt to all of our colleagues in the Organizing Committee; they have labored with us diligently and enthusiastically to make this meeting one that we will all remember fondly. We thank our industrial sponsors for their contributions, both for their visible and enabling financial support and for the attendance and technical contributions of their scientists and engineers. We are grateful to the North American Catalysis Society and its Executive Board for their financial and logistical support, and in particular for their support for the Kokes fellows. These fellows represent the brightest stars in our future as a discipline. These fellowships have been also generously supported by the Department of Energy and the National Science Foundation, and we thank these organizations for their scientific leadership and their continued support. Finally, with this meeting we follow another tradition—one of service and excellence—set by previous organizers. We acknowledge in this context the advice and support from the organizing committee of the Houston NAM and from Kerry Dooley in particular. They have shown us the way and set an example for us and for future meetings to follow. Most importantly, this meeting will succeed because of you—the members of our community—who have brought your latest achievements to share with us. Many thanks.

We are here during the meeting to finish our task and to bring our discipline together to celebrate our accomplishments and to share our ideas and thoughts. We and the other members of the Organizing Committee are here to help you and to make this another memorable North American Meeting, the 21st NAM, held in the 40th year since it all started.

If you need us, we are here to help. Please find us through the registration desk.

Bruce Gates

Enrique Iglesia

Charles Wilson





THE NORTH AMERICAN CATALYSIS SOCIETY

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Welcome to the 21st North American Catalysis Society meeting.

On behalf of The North American Catalysis Society (NACS), I welcome you to our 21st North American Meeting (NAM) in catalysis. This is now the fortieth year of these meetings. Historically, this international meeting is run every two years and led by one of the now 14 local clubs in the United States, Canada, or Mexico. The NACS provides seed money for the operation of the meeting, operations support, guidance on meeting structure, and large financial donations (such as for the Kokes Awards). For this year's meeting in San Francisco, the Board also agreed to use excess proceeds from the Houston NAM to reduce registration costs to attendees. These North American meetings have been very successful and have continued to grow, becoming more and more popular. The Pacific Coast Catalysis Club has worked very hard to anticipate the needs of the attendees. We hope you enjoy and gain personally from your participation in this meeting.

The North American Catalysis Society was founded more than 50 years ago in 1956 to promote and encourage the growth and development of the science of catalysis; to provide educational services to members and other interested individuals; to organize and participate in professional meetings of scientists; to report, discuss, and exchange information and viewpoints in the field of catalysis; to serve as a central exchange for the several catalysis clubs concerning information on their activities; and to provide liaison with foreign catalysis societies, working with the International Congress on Catalysis, and with other scientific organizations and individuals, without intended financial gain or profit to members. Look at our website for more information: www.nacatsoc.org.

The NACS wishes to thank the local organizing committee led and supported by the Pacific Coast Catalysis Society for all their efforts to make this meeting happen. It takes years of planning, many, many hours of unpaid effort to operate these meetings, a substantial commitment to run a large and expensive meeting, and the NACS would like to commend the organizers on their efforts as well as their employers for donating their time.

Thank you for joining us and participating in the meeting. We hope you enjoy your stay in San Francisco and have a wonderful and rewarding meeting. Please contact any of the NACS officers with feedback or suggestions for future meetings.

John N. Armor, President
June 2009





GREETINGS FROM THE MAYOR

On behalf of the City and County of San Francisco, it is with great pleasure that I welcome you to the 21st North American Catalysis Society (NACS) Meeting, being held at the Hyatt Regency San Francisco at the Embarcadero Center on June 7-12, 2009.

The NACS is the premier professional organization for thousands of researchers, chemists, engineers, educators, industry representatives, and others focusing on catalytic chemistry and the ultimate benefits it provides to our local, regional, national, and global communities. With more than 1000 members, I would like to commend all of you for your focus and original research on the advancements of the use of catalysts, which play an important part in all our lives, through the products and energy related activities derived from its application.

Through your efforts, we are able to continue the unrelenting pursuit to create a better place to live in, not only for our nation but for the human race as a whole.

I would like to congratulate you on a successful meeting and recognize the commitment and dedication of those that are at the forefront of this scientific innovation and research.

With warmest regards,

A handwritten signature in black ink, appearing to read "Gavin Newsom".

Gavin Newsom
Mayor