

PRELIMINARY PROGRAM
Eleventh Annual V. M. Goldschmidt Conference
May 20–24, 2001

To view the program listing for a particular session, click on the title of the session using the hand tool of your Acrobat Reader. The full program listing will appear, and you can then click on the title of a particular presentation to view the abstract. Abstract numbers appear in brackets after the title, and asterisks denote the speaker.

SUNDAY MORNING

8:10–8:20	Grand Ballroom	PLENARY SESSION I: Introduction to the Conference
8:25	Commonwealth	Mineral-Organic Interactions in Aqueous Systems I
8:25	Blue Ridge/Allegheny	Igneous Processes I
8:25	Piedmont/Shenandoah	Mechanisms of Mineral Growth and Texture Formation in Rocks: Measurements and Theory I
8:25	Grand Ballroom West	Early Solar System Processes I
8:25	Stratford	Environmental Mineralogy I
8:25	Georgian	Ore Deposits
8:25	Grand Ballroom East	Controls on Chemical Weathering: Small- and Large-Scale Views I
8:25	Mount Vernon	Recent Advances in Stable Isotope Analysis and Interpretation I

SUNDAY AFTERNOON

3:15–3:45	Grand Ballroom West	PLENARY SESSION II: Combined Urey and Gast Lectures by D. DePaolo
3:55	Commonwealth	Mineral-Organic Interactions in Aqueous Systems II
3:55	Blue Ridge/Allegheny	Igneous Processes II
3:55	Piedmont/Shenandoah	Mechanisms of Mineral Growth and Texture Formation in Rocks: Measurements and Theory II
3:55	Mount Vernon	Partitioning of Elements in Mineral-Melt-Volatile Systems I
3:55	Grand Ballroom West	Early Solar System Processes II
3:55	Stratford	Environmental Mineralogy II
3:55	Grand Ballroom East	Controls on Chemical Weathering: Small- and Large-Scale Views II

MONDAY MORNING

8:25	Stratford	Secular Variations in the Stable Isotope Composition of Organic Matter and Carbonates I
8:25	Georgian	Reactive Fluid Flow During Metamorphism: Field Studies and Modeling I
8:25	Piedmont/Shenandoah	Partitioning of Elements in Mineral-Melt-Volatile Systems II
8:25	Blue Ridge/Allegheny	Microanalytical Techniques for Earth and Planetary Samples I: Extraterrestrial Samples
8:25	Grand Ballroom West	Molecular Modeling in Geochemistry I
8:25	Commonwealth	Geochemical Aspects of Sustainable Energy Utilization: Carbon Cycle and Geothermal Energy
8:25	Empire	The Felsic Magma-Ore Deposit Link
8:25	Grand Ballroom East	Controls on Chemical Weathering: Small and Large-Scale Views III
8:25	Mount Vernon	Recent Advances in Stable Isotope Analysis and Interpretation II

MONDAY AFTERNOON

2:00–3:30	Grand Ballroom	PLENARY SESSION III: Geochemical Society Presidential Address, Goldschmidt Lecture by I. Kushiro, and Awards Ceremony
3:55	Stratford	Secular Variations in the Stable Isotope Composition of Organic Matter and Carbonates II
3:55	Grand Ballroom West	Reactive Fluid Flow During Metamorphism: Field Studies and Modeling II
3:55	Grand Ballroom East	Partitioning of Elements in Mineral-Melt-Volatile Systems III
3:55	Blue Ridge/Allegheny	<i>In Situ</i> Geochemical Analysis of Planets and Asteroids
3:55	Lexington	Astrobiology
3:55	Georgian	Molecular Modeling in Geochemistry II
3:55	Mount Vernon	Geochemistry and Mineralogy of Gemstones
3:55	Commonwealth	Geochemical Aspects of Sustainable Energy Utilization: Radioactive Waste
3:55	Piedmont/Shenandoah	Fluid Phase Separation in Subaerial and Submarine Geothermal Systems

TUESDAY MORNING

8:25	Mount Vernon	Abiotic Formation of Organic Species in Hydrothermal Systems: Catalytic and Mineral-Fluid Equilibria Effects
8:25	Grand Ballroom West	Of Earth and Microbes: Active Participation of Microorganisms in Geochemical Processes I
8:25	Dominion	Volatiles in the Mantle I
8:25	Stratford	Ultra-High-Pressure Metamorphism: Mineralogy, Geochemistry, and Petrology I
8:25	Blue Ridge/Allegheny	Extraterrestrial Water: Origin, Evolution, and Effects
8:25	Piedmont/Shenandoah	Physics and Chemistry of Earth Materials I
8:25	Grand Ballroom East	Microanalytical Techniques for Earth and Planetary Samples II
8:25	Commonwealth	Metals in the Weathering Environment I
8:25	Georgian	Geochemistry of Contaminated Aquifers I

TUESDAY AFTERNOON

3:55	Blue Ridge/Allegheny	Organic Geochemical Applications to Freshwater and Estuarine Systems
3:55	Mount Vernon	Molecular Biogeochemistry
3:55	Grand Ballroom West	Volatiles in the Mantle II
3:55	Stratford	Ultra-High-Pressure Metamorphism: Mineralogy, Geochemistry, and Petrology II
3:55	Piedmont/Shenandoah	Mineralogy, Geochemistry, and Geodynamics of Planetary Interiors I
3:55	Grand Ballroom East	Microanalytical Techniques for Earth and Planetary Samples III
3:55	Commonwealth	Metals in the Weathering Environment II
3:55	Georgian	Geochemistry of Contaminated Aquifers II
3:55	Empire	Recent Advances in U/Pb Geochronology I
		<i>Session dedicated to Tom Krogh</i>

WEDNESDAY MORNING

8:25	Grand Ballroom East	Of Earth and Microbes: Active Participation of Microorganisms in Geochemical Processes II
8:25	Blue Ridge/Allegheny	Metamorphic Processes
8:25	Georgian	Crustal Melting: From Grain Boundaries to Batholiths
8:25	Piedmont/Shenandoah	Mineralogy, Geochemistry, and Geodynamics of Planetary Interiors II
8:25	Stratford	Advances in Oxide and Sulfide Mineral Surface Chemistry I
8:25	Commonwealth	Advances in the Development and Application for <i>In Situ</i> Techniques for the Investigation of Geochemical Systems I
11:30	Commonwealth	MSA Dana Medal Presentation and Lecture by G. Rossman
8:25	Mount Vernon	Geochemistry of Fluids from Sedimentary Systems
8:25	Grand Ballroom West	Recent Advances in U/Pb Geochronology II <i>Session dedicated to Tom Krogh</i>

WEDNESDAY AFTERNOON

3:55	Grand Ballroom East	Of Earth and Microbes: Active Participation of Microorganisms in Geochemical Processes III
3:55	Blue Ridge/Allegheny	Melting and Melt Transfer in the Mantle: Thermodynamic and Transport Models
3:55	Grand Ballroom West	Accessory Minerals: Equilibrium and Kinetic Properties and Applications I
3:55	Piedmont/Shenandoah	Mineralogy, Geochemistry, and Geodynamics of Planetary Interiors III
3:55	Stratford	Advances in Oxide and Sulfide Mineral Surface Chemistry II
3:55	Commonwealth	Advances in the Development and Application of <i>In Situ</i> Techniques for the Investigation of Geochemical Systems II
3:55	Empire	Crystal Structures and Mineral Behavior I
6:15	Empire	Physics and Chemistry of Earth Materials II
3:55	Georgian	The Mafic Magma-Ore Deposit Link I

THURSDAY MORNING

8:25	Theatre	Genomics Meets Geochemistry
8:25	Grand Ballroom West	Accessory Minerals: Equilibrium and Kinetic Properties and Applications II
8:25	Empire	Mineralogy, Geochemistry, and Geodynamics of Planetary Interiors IV
8:25	Commonwealth	Crystal Structures and Mineral Behavior II
8:25	Georgian	The Mafic Magma-Ore Deposit Link II
8:25	Grand Ballroom East	Aqueous Geochemistry
8:25	Stratford	Link Between the Chemical and Isotopic Evolution of the Atmosphere and the Rock Record

SUNDAY – THURSDAY, POSTER PRESENTATIONS

Colonnade and Stratford Atrium

*Organic Geochemistry**Metamorphic Processes**Igneous Processes**Stable and Radiogenic Isotopes**Planetary Geochemistry and Mineralogy**Mineralogy and Crystallography**Ore Deposits**Aqueous Geochemistry*