

Initiatives

in Art and Culture

Gold: Substance, Symbol and Significance

Friday, April 8 – Saturday, April 9, 2011
A Conference in New York City

Obverse of the 1907 ultra-high-relief twenty-dollar gold double eagle; designed by Augustus Saint-Gaudens, this coin – considered by many to be the most beautiful of US coins – was produced by the United States Mint from 1907 – 1933. Photo: (c) PCGS. Used by Permission. Courtesy, Professional Coin Grading Service, PCGS.com.



Frederick the Great and mother of pearl snuff-box, Berlin c. 1765, The Gilbert Collection, Victoria and Albert Museum, London. Photo, courtesy: Géza von Habsburg.



Mary Lee Hu, *Choker #78*, 1991, 16.2 x 22.5 x 3.8 cm. 18-karat gold, 22-karat gold; twined, forged, fabricated. Photo: Richard Nicol.



Bristol Bay, photograph © 2010, Robert Glenn Ketchum.

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Gold has been a principal store of wealth and unsurpassed as an object of desire for the entirety of recorded history. One could argue that much of the history of mankind can be written as the history of gold, or at least the history of man's attempt to acquire and hold onto it, at whatever human and material cost and in whatever form.

This conference takes an all-embracing look at this precious metal, considering it in all its physical manifestations—from mineral, to ingot, to coinage, to jewelry—and at all stages of its production and use. We explore contemporary approaches to mining, with close attention paid to sustainable and socially and environmentally conscious extraction and the related subjects of the increasing use of reclaimed metal and corporate social responsibility. We look at gold throughout history, and collectors and collections of gold. And extending beyond gold's role as a repository of value, we consider its symbolism and how that has evolved over time. Last, we look at contemporary work in gold, be it by large firms or individual artisans who continue to shape this intensely coveted metal into objects of beauty and utility.

We are grateful for funding from ABN AMRO, Barrick Gold Corporation, Kinross Gold Corporation, Tiffany & Co., and Tocqueville Asset Management LP, as well as for media sponsorships provided by the World Gold Council and *Metalsmith*, which is published by the Society of North American Goldsmiths. We also express our gratitude to Aaron Faber Gallery, the American Society of Jewelry Historians, Temple St. Clair, The Exeter Group and the New York Silver Society (as of 2/20/2011).



Tiffany Dragonfly Brooches, 18-karat gold (from left): Pique-à-jour brooch with pink sapphires and enamel brooch with spessartites. Photo: Carlton Davis; courtesy, Tiffany & Co.

Friday, April 8, 2011

- 8:00 – 8:45 a.m. **Registration and Continental Breakfast.**
- 8:45 – 9:00 a.m. **Introduction.** Lisa Koenigsberg.
- 9:00 – 9:30 a.m. **What Is Gold?** John Rakovan.
- 9:35 – 10:05 a.m. **The Power of Gold.** Benjamin Zucker.
- 10:10 – 10:40 a.m. **Gold: Numismatics and Rare Coins.**
Paul Inho Song.
- 10:40 – 11:00 a.m. **Break.**
- 11:00 – 11:20 a.m. **Gold Market Fundamentals: Demand, Supply and Current Trends.**
Juan Carlos Artigas.
- 11:25 – 11:45 a.m. **Gold, a Perfect Hedge or a Good Alternative.** Victor van der Kwast.
- 11:50 a.m. – 12:20 p.m. **Eco-Calculus: Added Economic Benefits of Sustainability for Investors.**
William R. Williams.
- 12:20 – 1:30 p.m. **Lunch (on your own).**
- 1:35 – 2:05 p.m. **Informed Investing: the Determination of Gold as a Repository of Value.**
Joseph A. Zock and Douglas Groh.
- 2:10 – 3:15 p.m. **Gold: Power, Passion, and Predicaments—a Panel.** Patti Geolat (moderator), Adam Heyman, David Lamb, Jack Ogden, Ronald C. Spurga, and Humphrey Valenbreder.
- 3:20 – 4:05 p.m. **Gold and the Evolution of Social Issues and Collaborative Leadership.**
John Petterson and Stephen D'Esposito.
- 4:10 – 4:40 p.m. **Conflict Mineral Provisions of the Wall Street Reform Act (Dodd-Frank).**
Robert D. Headley.
- 4:45 – 5:15 p.m. **Defined by Gold: The Jewelry of Marilyn Cooperman.** Marilyn Cooperman.
- 5:20 – 5:50 p.m. **Linear Elegance: The Gold Jewelry of Mary Lee Hu.** Mary Lee Hu.
- 6:30 – 8:00 p.m. **Aaron Faber Gallery Reception and Viewing.**
666 Fifth Avenue (enter on 53rd Street between 5th and 6th Avenues).



Third Century Roman Ring, Zucker Family Collection (RCC); Photo: Peter Schaaf.



Betze Open Pit Mine. Photo Courtesy, Barrick Gold Corporation.



Marilyn F. Cooperman, Morse Code Cuff, 18-karat gold.

The New York Silver Society's (NYSS) 19th Annual Dinner, Friday, April 8th, 2011.

Conference attendees are invited to sign up for the NYSS dinner at the Midtown Executive Club, 40 West 45th Street. Cocktails and the dinner are preceded at 5:30 p.m. by a lecture by Ellenor Alcorn, Associate Curator of European Decorative Arts, The Metropolitan Museum of Art (cost: \$110 per person). For information about NYSS and/or a reservation form, contact: info@newyorksilversociety.org.

Saturday, April 9, 2011

- 8:45 – 9:30 a.m. **Coffee.**
- 9:30 – 10:00 a.m. **Gold's Geology and Material Properties.** James D. Webster.
- 10:05 – 10:35 a.m. **Mining in the Age of Corporate Responsibility.** Ed Opitz.
- 10:40 – 11:10 a.m. **Mine to Market: a Case Study of Sustainability and Product Development.** Jon Rudolph and Tolling Jennings.
- 11:10 – 11:30 a.m. **Break.**

11:30 a.m. – 12:00 p.m. **Gold Boxes: The History of Metal in Form.**
Géza von Habsburg.

12:05 – 12:35 p.m. **Alchemy: Transforming Gold.** Temple St. Clair.

12:35 – 1:55 p.m. **Lunch (on your own).**

2:00 – 2:35 p.m. **Reconciling Corporate Goals with Employee Welfare and Sustainability.**
Sheila Khama.



Temple St. Clair, *Gold Granulated Vine Bracelet.*

2:40 – 3:10 p.m. **Red Gold: Alaska's Bristol Bay at Risk.** Bonnie Gestring.

3:10 – 3:30 p.m. **Break.**

3:35 – 4:05 p.m. **Mirror of Times Past: Gold Jewelry in Its Historical Context.**
Jack Ogden.

4:10 – 4:40 p.m. **Atelier Zobel: the European Apprentice System, Continuity and Evolution in Working Gold.** Susan D. Barry and Peter Schmid.

4:45 – 5:15 p.m. **Myth and History: The Mary McFadden Gold Collection.**
Mary McFadden.

5:15 – 8:00 p.m. **Champagne Reception Followed by Screening of "Red Gold."**
The award-winning film "Red Gold" focuses on Southwest Alaska, home to the two most prolific sockeye salmon runs left in the world and to the second largest combined deposit of copper, gold, and molybdenum ever discovered. A portrait of a unique way of life that will vanish if the salmon do not return with Bristol Bay's tide, "Red Gold" explores the accident-plagued history of hard-rock mining and one of the biggest land-use battles that has taken place in Alaska.



Detail, 19th-century drawing of a figure of Eros as a goldsmith in a Roman wall painting from Pompeii, Italy.

Presenters

Lisa Koenigsberg, conference director, president and founder, Initiatives in Art and Culture; she established and oversees a conference series that explores precious substances in a multi-disciplinary manner. Koenigsberg was formerly advisor to the dean for arts initiatives, and director, programs in the arts and adjunct professor of arts, NYU School of Continuing and Professional Studies. Previous positions include: assistant director for project funding, Museum of the City of New York; executive assistant, Office of the President, American Museum of Natural History; architectural historian, New York City Landmarks Preservation Commission; and guest curator, Worcester Art Museum and Yale University Art Gallery. Her writings have appeared in books and journals, and she has organized symposia and special sessions at universities, museums, and professional organizations. She holds graduate degrees from The Johns Hopkins University and from Yale University from which she received her PhD.

Juan Carlos Artigas, Investment Research Manager, World Gold Council; in this position, he is responsible for conducting proprietary research for the organization and the quarterly publication, *Gold Investment Digest*, the leading industry analysis on gold price performance and the macroeconomic and fundamental drivers behind it. Artigas is a regular presenter at industry conferences and a sought after speaker by institutional and private investors who value his expertise on the strategic case for gold. He also has more than six years of experience in financial markets, having previously worked for JPMorgan Securities as a US and emerging markets fixed-income strategist, where he led the Latin American sovereign debt and Mexico local market strategy effort, including making weekly contributions to various well-recognized fixed-income strategy publications. Previously he served as lecturer and consultant at the University of Chicago, and as an advisor to the General Director of Planning, Programming and Budgeting at the Ministry of Education in Mexico City. A PhD candidate in economics and statistics, he holds a BS in actuarial sciences from ITAM (Mexico), and an MBA and MS in statistics from the University of Chicago.



Detail of the *Mold Cape*, a sheet gold upper-body covering, English ca 1900 - 1600 BC. British Museum. Photo: Jack Ogden.

Atelier Zobel; Germany; represented by **Peter Schmid**, artist and owner, and **Susan D. Barry**, art historian and critic. Atelier Zobel was founded in 1968 by Michael Zobel, with whom Schmid apprenticed and then worked after studying goldsmithing at the School for Design and Jewelry in Schwabisch-Gmund, Germany. Schmid designs one-of-a-kind art jewelry inspired by passion and the play between the jewel and the body. Working near Lake Constance in Germany, Schmid and his team of master goldsmiths craft unique art jewelry characterized by innovative design. The Atelier's jewelry has celebrated color and pattern, using varied techniques and materials (The patterned gold surfaces are 24-karat fused on 18-karat gold. Often, sterling silver surfaces are patterned with 24-karat gold or platinum fused on the oxidized sterling, to create an effect of charcoal-on-paper. Or 21-karat rose gold is patterned with platinum and pure gold). Gemstones are unusual or unusually cut. Under Schmid's direction, the jewelry has become increasingly sculptural with a pronounced three-dimensionality, and concern for scale and size. Peter Schmid's work has been published in numerous publications including, *Metalsmith* magazine, *500 Gemstones* by Lark Books, and *Kara Expositions*. Susan D. Barry is an art historian, independent curator and partner in Atelier Zobel. She received her MA degree from the University of Sussex, UK and a BFA in jewelry and metalsmithing from NSCAD University. She has taught at the Art Institute of Chicago, the California College of Art and the University of Art, and served as Assistant Curator at the Museum of Arts & Design and project officer for the British Craft Council. Her most recent publication is "Masters and Apprentices: The European Traditions and Contemporary Jewelry in an American Context" for the SOFA Chicago catalogue (2010).

Marilyn F. Cooperman, jewelry designer; Cooperman moved from Toronto to New Zealand where she wrote and illustrated for the *New Zealand Herald*; in 1963 she came to New York to work in fashion. She opened a studio to design and

manufacture a collection of Mexican-inspired resort wear in Fred Leighton's Greenwich Village boutique. In the 1970s, her company *Max and Marilyn* sold to Saks, Bergdorf Goodman, and Bloomingdale's. Subsequently, she was fashion director at *Seventeen*, and editor-in-chief at *Simplicity* and then at *Vogue Patterns*. In 1987, she joined Fred Leighton's jewelry establishment as designer, expertly deconstructing and re-designing outdated pieces. Her work was shown with that of major jewelers such as Boivin, Cartier, Verdura, Boucheron, Van Cleef & Arpels, Tiffany, and Belperron. With this unique background and the support of Bernard Jacobs, then president of the Schubert Organization, Cooperman launched her own company in 1994. Cooperman's work is the collections of the Museum of Fine Arts Boston and The Museum of Arts & Design, and was included in the exhibition, "Gothic: Dark Glamour." Cooperman serves on the board of the American Society of Jewelry Historians. Her work is featured in *Extraordinary Jewels* (by J. Traina); *The Jeweled Menagerie and Jeweled Garden* (both by S. Tennenbaum and J. Zapata); *Understanding Jewelry* (ed. D. Mascetti and D. Bennett); *Brooches: Timeless Adornment* (by LE Gross); and *Living Jewels: Masterpieces from Nature* (R. Peltason). Cooperman's work is in the collections of the Museum of Fine Arts Boston and The Museum of Arts & Design.

Stephen D'Esposito, president, RESOLVE and the EARTH SOLUTIONS Center; RESOLVE is a non-profit organization dedicated to promoting the effective use of consensus building in public decision-making, and helping diverse interests engage in dialogue, collaborative decision-making, and action. The EARTH SOLUTIONS Center is a new RESOLVE initiative designed to catalyze, incubate, and reward solutions to urgent environmental challenges. D'Esposito is formerly president of EARTHWORKS, an organization whose mission is protecting communities worldwide and the environment from the destructive impacts of mineral development through reform of government policies, improving corporate practices, influencing investment decisions, and encouraging responsible materials sourcing and consumption. One of organization's signal efforts is the No Dirty

Gold campaign which addresses the major social, environmental, and economic impacts of gold mining. Before joining EARTHWORKS, D'Esposito, as deputy director and acting executive director, was instrumental in building Greenpeace USA (1986 - 1992) into one of the largest environmental groups in the country. From 1993 through 1995, he served as deputy director and then executive director of Greenpeace International, based in Amsterdam, The Netherlands.

Patti J. Geolat, founder and CEO, Geolat Companies, Dallas, TX; a widely known authority on the appraisal and sale of fine jewelry, as well as a broker of jewelry in the secondary market, her clients include many of the world's top jewelry houses as well as an extensive network of private and industry collectors. Her many credentials include: Graduate Gemologist (GG), Gemological Institute of America; Fellow (FGA) by examination, Gemmological Association of Great Britain; Accredited Senior Appraiser (ASA), American Society of Appraisers; Associate in Risk Management (ARM), Insurance Institute of America; Accredited Member (AM), American Society of Appraisers; and a Chartered Insurance Operations Professional (CIOP). Her professional affiliations include a 15-year term of service on, including nine as chairman, of the board of directors of Jewelers Mutual Insurance Co. Geolat served as chairman, Board of Governors, American Gem Trade Association's (AGTA) Gemological Testing Center, and on AGTA's Board of Governors and its Industry Rules Committee. She currently sits on the boards of the Jewelers' Security Alliance, Jewelers Mutual Insurance Company, and the Women's Jewelry Association. She coauthored *The Professional's Guide to Jewelry Insurance Appraising* (1994).

Bonnie Gestring, Northwest Circuit Director, EARTHWORKS, a national non-profit organization that is dedicated to protecting communities and the environment from the adverse impacts of mining, digging, and drilling and which she joined in 2001. For the past decade, Gestring has worked with communities throughout the western US to effect change in mining policy,

mining practices, and to protect critical ecosystems. Currently, she is involved in Earthworks' No Dirty Gold consumer and markets-based campaign, which has resulted in 50 jewelers, representing over \$5 billion in sales, pledging not to source gold from the proposed Pebble Mine in Bristol Bay, Alaska, which is home to the world's largest remaining wild salmon fishery. Previously, she was a community organizer at Montana Environmental Information Center (MEIC) in Helena, where she was a leader in campaigns to stop a proposed gold mine on the Blackfoot River and to pass the citizen's initiative banning open-pit cyanide process mining in Montana. A former Peace Corps Volunteer in Belize, she holds a BS in Biology from Montana State University and an MS in Environmental Studies from the University of Montana.

Douglas Groh, senior research analyst, Tocqueville Asset Management LP which he joined in 2003; he is a member of the Gold investment team. Prior to joining Tocqueville, Groh was director of Investment Research at Grove Capital from 2001 – 2003. From 1990 – 2001, he held investment research and banking positions at J.P. Morgan, Merrill Lynch, and ING Bank. He began his career as a mining and precious metals analyst in 1985 at U.S. Global Investors, and has covered various basic material industries including the non-ferrous metals, chemicals, energy, paper, and packaging sectors. Groh earned a BS in Geology/Geophysics from the University of Wisconsin – Madison and an MA from the University of Texas at Austin, where he focused on mineral economics.

Géza von Habsburg, art historian, exhibition curator, and author; he is a graduate of the University of Fribourg, Switzerland where he wrote his thesis on Florentine Renaissance art. He was former chairman of Christie's in Europe and of Habsburg Fine Arts in Geneva and New York. As an exhibition curator, he has organized major touring exhibitions which have attracted over 2 million visitors, including "Fabergé in America" at the Metropolitan Museum (1996). In addition to numerous articles, he has authored 12 books on Russian art and on Fabergé, a book on gold boxes (*The Gilbert Collection of 18th century Gold Boxes*, London, 1983) and *Princely Treasures* (1997) about northern *Kunstammer* collections. He has taught at NYU and the Bard Graduate Center for the Decorative Arts, and is a member of the International Council of Museums, the American Association of Museums, the Appraisers Association of America, New York, the American and British Association of Jewelry Historians. He also serves on the Advisory Board, The Hermitage Museum Foundation and is a Board Member of the American Friends of Dresden.

Robert B. Headley, chief operating officer, Jewelers of America, a position he assumed in February 2009, with the directive to integrate the association's strategic plan with ongoing operations. As COO, Headley serves as Jewelers of America's internal leader, reporting to president and CEO Matthew A. Runci. With Runci, he is responsible for developing Jewelers of America's overall vision. Headley currently serves as chairman of the People Committee of the Responsible Jewellery Council. He also represents Jewelers of America on the boards of Jewelers Vigilance Committee and Jewelers' Security Alliance. Previously, Headley worked for 20 years at Tiffany & Co., where he oversaw the brand's stringent quality control standards. There, he served as Vice President of Technical Services and directed quality assurance and manufacturing administration. Prior to joining Tiffany & Co., Headley was a naval officer, then spent eight years at Avon Products, supervising efficient systems for ingredient manufacturing, packaging, and corporate quality assurance.

Adam Heyman, principal, Oscar Heyman, New York; he has been with the company 45 years. Founded in 1912 and known for its sophisticated use of color, tone, and precious stones particularly sapphires purchased directly from Sri Lanka since the 1950s, Oscar Heyman is a New York manufacturer of the very finest precious stone jewelry; one of a handful of family-owned shops still dedicated to European-style craftsmanship, "by hand" fabrication, and peerless design. After they trained as teenagers at the Russian house of Fabergé, Oscar and Nathan Heyman arrived in New York in 1906 with their skills and a unique understanding of platinum and precious stones. The brothers established a company where production and therefore quality could be controlled at all stages of

fabrication. To this day, the firm makes its own tools, alloys its own platinum and gold, and designs and creates each piece of jewelry to demanding specification at its own workshops on Madison Avenue in mid-town Manhattan. Oscar Heyman is a supplier and a key source for the finest retail jewelers worldwide; a premium price at auction is realized for a piece attributable to the firm.

Mary Lee Hu, goldsmith and educator; she lives in Seattle where she taught metals and jewelry at the University of Washington from 1980 until her retirement in 2006. She now pursues her studio work while continuing to lecture and travel. Studying metalsmithing at both Cranbrook and Southern Illinois University-Carbondale, she has specialized in twining, a textile process, to make her jewelry, first in silver and, then, since 1985, in high-karat gold. She has received numerous awards, among them three NEA Fellowships. She has served on the board of the American Crafts Council and been president of the Society of North American Goldsmiths. She has exhibited her work worldwide and is represented in the collections of numerous museums including Goldsmiths Hall and the V&A, London; The Metropolitan Museum of Art and the Museum of Arts and Design (formerly the American Craft Museum), New York; the Renwick Gallery of the Smithsonian Institution; the Museum of Fine Arts Boston; The Art Institute of Chicago; and Yale University Art Gallery. Her work has been featured in "Jewelry By Artists: The Daphne Farago Collection," Museum of Fine Arts Boston, "Craft in America: Expanding Traditions" and the touring exhibition, "The Art of Gold." Recent publications featuring her work include *Jewelry by Artists in the Studio 1940 - 2000, selections from the Daphne Farago Collection* (KH L'Ecuyer, 2010), *Makers, A History of American Studio Craft* (by J. Koplos & B. Metcalf, 2010), and *Choosing Craft, the Artist's Viewpoint* (ed. V. Halper & D. Douglas, 2009).

Tolling Jennings, Mint Master, Lasqueti Mint, which was established in 1997 for the purpose of creating gold and silver coins of superior design and quality to be used in trade and collected. Located on Lasqueti Island, a small off-grid island in British Columbia on Canada's west coast, the Lasqueti Mint employs time-honored techniques using antique, hand-operated equipment to produce beautiful gold and silver bullion coins to the highest standards. After a decade of attempts by the Mint to find gold mined in and available in Canada, in 2007 a partnership with Jon Rudolph of Golden Hill Ventures resulted in the creation of Mammoth Tusk Gold (MTG), the first certified, ethically mined gold in the world. The Mint uses MTG exclusively in all gold coins and jewelry it produces. Jennings' partnership with goldsmith Ray Lipovsky in the Lasqueti Mint has incorporated Tolling's years of experience in the numismatic market with the artistic.

Sheila Khama, director, Extractives Resource Services, African Center for Economic Transformation (ACET), based in Accra. ACET's goal is to increase risk-containment for sub-Saharan governments and their investor partners. Additionally, ACET advises them regarding the regulation and formulation of policies for using Africa's natural resources as a springboard for sustainable economic growth. She draws on over a decade's experience in the mining sector including her role as former chief executive, De Beers Botswana. This included oversight of the De Beers Botswana operations, where she played a leadership role in implementing effective risk management strategies, in relationship management with joint venture partners, and served on the boards of directors of 10 subsidiaries of the De Beers Group, and as a member of a joint forum between De Beers Group leadership and the Botswana Mineral Policy Committee of Cabinet. She was part of the global corporate affairs team responsible for containing the reputation risk for the family of companies particularly in the US. She is particularly conversant with challenges facing the extractive industry (especially luxury commodities) from an environmental, reputational and consumer confidence perspective. She holds an MBA from the Edinburgh University in Scotland, United Kingdom, and BA from the University of Botswana.

Victor van der Kwast, global CEO, International Diamond and Jewelry Group (ID&JG), ABN AMRO Bank N.V. In that capacity, he heads a global organization covering nine locations. The business unit has its head office in Amsterdam, The Netherlands and Antwerp, Belgium and is active in seven

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additional key locations globally, including the US, India, the UAE, Japan, Hong Kong, Switzerland and Botswana. Prior to assuming his current position, van der Kwast held many important positions at ABN AMRO, including Investment Advisor Institutional Investors for The Netherlands and Switzerland (NL-based), Managing the Fixed Income Investment portfolio of ABN Bank (NL), Investment Banking Representative for ME, Trader and Treasurer (Bahrain), OBU Branch Manager (ME, Africa and India Pakistan), Head Private Banking Asia (from Singapore), Deputy General Manager Saudi Hollandi Bank & Treasurer (Saudi Arabia), Global Head Correspondent Banking (NL), Managing Global IT systems for the international network (NL based), creating (negotiating) and managing the EDS IT outsourcing contract for ABN AMRO (NL, for nine countries, 3000 people and applications) and subsequently establishing a Global Vendor Management unit to manage the deal (large international outsourcing deal from the US) and heading Global Due Diligence Management (NL, compliance, KYC, CAAMC for approximately 70 countries across all business lines). After 14 years abroad, he and his family live in a restored farm in Boskoop, The Netherlands.

David Lamb, Managing Director, Jewelry, World Gold Council (WGC); Lamb joined the WGC in July 2010, and he has overall responsibility for the strategic development of the gold jewelry market worldwide. Prior to joining the WGC, he was an executive director of the Diamond Trading Company (DTC), the sales and marketing arm of De Beers, as worldwide marketing director and subsequently chief strategy officer. There, he was widely credited with significantly increasing consumer demand for diamond jewelry, principally through a series of powerful global innovations such as the Trilogy concept ("For your past, your present, your future"), which he devised. Previously, Lamb spent over 20 years at leading international advertising agencies, notably JWT Worldwide where he was executive vice president and held various leadership positions including Head of Worldwide Account Planning and subsequently Head of Multinational Clients.

Mary McFadden, designer, collector and world traveler; McFadden formed her company in New York City in 1976, creating distinctive apparel that was inspired by the art of China, Africa, Greece and South America as well as by cultures she encountered during her travels. She collected a distinguished array of objects in varied substances, particularly gold. Acclaimed for her use of African and Asian prints in intricately quilted jackets, as well as for her pure, timeless designs using "Marii" pleats enhanced by beaded cuffs and collars, jewel encrusted trim and panels, as well as gold embroidery, "zardozi." McFadden also designed bold sculptural jewelry. Her many honors include the President's Fellow Award of the Rhode Island School of Design. She was elected president of the Council of Fashion Designers of America. Her collections have been shown on runways in New York, London, Russia, India, South and Central America, and Tokyo. McFadden received a Coty Award in 1976; she entered the Coty Hall of Fame in 1979, the same year she received the Neiman Marcus Fashion Award. Her collections have also been exhibited at Allentown Museum, PA; The Dixon Museum, Memphis, TN; The Women's Museum, Washington DC; and More College of Art, Philadelphia, PA.

Jack Ogden, chief executive, Gemmological Association of Great Britain (Gem-A); he is a member of the fourth generation of a family with a well-known British jewelry business. After gaining his Gemmology Diploma with distinction in 1971, he entered the consulting field, working with museums, auction houses, dealers, and collectors worldwide, advising within his specialist field of the history of jewelry materials and technology, with a special focus on problems of authenticity. His doctoral thesis (Durham University) dealt with the jewelry industry in Hellenistic and Roman Egypt. He has written and lectured widely on jewelry history, and taught at The J. Paul Getty Museum, the Smithsonian Institution, NYU's Institute of Fine Arts, and the Institute of Archaeology (London), and has appeared on both radio and television. He is vice chairman of the UK Government Treasure Valuation Committee and an elected Fellow of the Society of Antiquaries of London. From 1995 – 2000, he was secretary general to CIBJO (The World Jewellery Confederation) and he joined Gem-A as CEO in 2004.

Ed Opitz, vice president, Corporate Responsibility, Kinross Gold Corporation, which he joined in 1999; before assuming his current position, he served as Vice President, Environmental Affairs, and Vice President of Environment, Health, Safety, Sustainability and Permitting for Kinross' Russian operations. During his tenure with Kinross, Opitz has led and implemented programs in such areas as environment, health, and safety management; reclamation and closure planning; community and stakeholder engagement; and partnership development with local communities. In his current role, he oversees operational implementation of the company's policies on stakeholder engagement and community development as outlined in Kinross' Ten Guiding Principles of Corporate Responsibility. Prior to joining Kinross, Opitz worked as a consultant conducting environmental baseline studies, due diligence, permitting, and environmental management for mining projects in Russia. He holds a BA (magna cum laude, Phi Beta Kappa) in business economics from Colorado College, a MS in civil engineering – water resources management from Colorado State University, and was a fellow of the Institute of International Education at Moscow State University where he studied environmental economics in the Soviet Union.

John Petterson, senior vice president of operations, Tiffany & Co.; he is responsible for worldwide distribution, customer service, after-sales services, security, manufacturing and supply chain. Petterson began his career at Tiffany & Co. in 1988 as director of customer service. In 1990, he relocated to Tiffany's Beverly Hills store as director of sales and operations; he was promoted to vice president of Tiffany's Rodeo Drive store in 1992, and to vice president of the Western Region in July 1994. Prior to assuming his present position, Petterson returned to the East Coast and served as senior vice president of direct marketing. Prior to joining Tiffany, Petterson was manager of operations at F.A.O. Schwarz in New York, and a senior selling executive for Abraham & Strauss. A graduate of the University of Delaware and New York University, Petterson has held numerous positions in local business and civic groups, having served as president, Rodeo Drive Executive Committee; chairman, Beverly Hills Retail Council; and a director on the boards of the Beverly Hills Chamber of Commerce and The Maple Center (a mental health organization serving West Los Angeles). He also assisted the governing committees of CalArts and the Los Angeles Opera.



Obverse, *The Artisanal Gold™ Coin*, depicting a gold panner with legend "Artisanal Gold™" and date 2011; the coin, struck at the Lasqueti Mint, marks the launch of the Artisanal Gold™ Fund. The coin has a mintage of 104, 1 oz .9999 fine gold coins with a diameter of 29.9 mm. Photo, courtesy: Tolling Jennings.

John Rakovan, professor of mineralogy, Department of Geology, Miami University, Oxford, Ohio, where he has served on the faculty since 1998. He received a PhD in mineralogy from the State University of New York at Stony Brook in 1996. Following this he held a postdoctoral appointment in mineral-water interface geochemistry at Virginia Polytechnic Institute. Rakovan's scholarly interests lie in the broad area of mineralogy, particularly in environmental, materials, and geologic applications. His research involves the integration of mineralogy and low temperature geochemistry in the study of crystal surfaces and mineral-water interactions such as crystal growth, trace element partitioning, and other surface-mediated reactions. His research, including recent work on gold, also addresses the atomic arrangement and crystalline nature of minerals. Much of his funded work deals with the crystal chemistry of apatite group minerals and their application to environmental problems such as heavy metal sequestration in contaminated environments and radioactive waste disposal. A fellow of the Mineralogical Society of America and an executive editor of and regular contributor to *Rocks & Minerals Magazine*, he was recently honored by the naming of a new mineral, rakovanite.

Jon Rudolph, founder and president of Mammoth Tusk Gold, is well known and respected in Alaska and Northern Canada for his business acumen and community involvement. Since its creation, Mammoth Tusk Gold's single focus has been to bring ethical gold to market. Under Rudolph's leadership, the Company has developed leading-edge and credible environmental and socio-economic performance standards for placer mining operations wishing to produce ethical gold. Mammoth Tusk Gold has also developed an independent, third-party certification process and a transparent Chain of Custody that can guarantee the source and integrity of the gold from the mine to the purchaser. Mammoth Tusk Gold offers for sale .9999 fine gold in bullion, bars, and casting grains.

Temple St. Clair, jewelry designer; working in an airy studio in New York's SoHo, St. Clair draws inspiration from varied sources: Renaissance portraits, astronomical drawings, the Silk Route, or the shifting shades of the sea. In her designs, as in her life, St. Clair blends a modern aesthetic with a deep love of art, history, and narrative. While living in Florence, she founded her company and began her partnership with the world's finest goldsmiths—the centuries-old Florentine jewelers' guild. She sold her first collection to Barneys New York in 1986; 25 years later her designs continue to draw on classical motifs. Her iconic rock crystal amulets, signature triple granulation and "archer's" granule are distinguishing brand elements, a nod to her classical foundation. St. Clair is best known for combining exquisite materials and fine craftsmanship with her brilliant sense of color and design to create timeless modern classics—"jewelry with a story."

Paul Inho Song, director, Coins and Banknotes Department, Bonham & Butterfields; with over 20 years' experience in numismatics and special expertise in 19th- and 20th-century American coinage, Song has participated in the sale of over \$250 million internationally. Prior to taking the helm in 2009 of Bonham's newly formed department which holds sales in Los Angeles and New York, he was senior vice president of auctions at Superior Galleries in Beverly Hills, having begun his numismatics career in 1988 at Sotheby's. Song has played an integral role in organizing sales of some of the world's most important collections, including those of Nelson Bunker and William Herbert Hunt, Merrill Lynch's Athena Fund of Greek and Roman Coins, and John and Rebecca Moore, as well as the sale of the Uruguayan Treasure of the Rio de la Plata and the Good River Collection. Other highlights of his career include his unearthing in 1992 of an extremely rare, high-relief 1907 Saint-Gaudens' Double Eagle, one of the greatest rarities of 20th century numismatics; his 1995 discovery of another example of this coin (auctioned for \$242,000); and the 1996 sale of a pristine example from The Bloomfield Collection for \$825,000, a world auction record at the time for any gold coin. A 1987 graduate of the University of Wisconsin at Madison, Song has a graduate certificate from Sotheby's Institute in New York and an MBA from NYU's Stern School of Management.

Ronald C. Spurga, vice president, ABN AMRO Bank; he serves as the Senior Relationship Banker to the diamond industry. He is also the author of numerous books and articles about the precious metals markets, His book, *Balance Sheet Basics*, is an accounting primer used in the majority of corporate training programs in US Fortune Five Hundred corporations. Spurga graduated from the Graduate School of Credit and Financial Management of the Amos Tuck School of Business Administration at Dartmouth College. He has an MBA in finance and has taught commodity finance courses at Rutgers University, Fordham University, and New York University. He has also appeared as a commentator on CNBC, providing analyses of the metal investment markets.

Humphrey Valenbreder, managing director, ABN AMRO Bank where he leads the Diamond and Jewelry Group for the Americas. He has written various articles on corporate banking in Asia where he worked and lived for eight years as Country Head Global Transaction Services, Hong Kong at the Royal Bank of Scotland, before re-joining ABN AMRO where he had previously been a vice president. He holds an MSc from Twente University in The Netherlands and is an alumnus of the INSEAD executive program. In his career thus far he has lived and worked in The Netherlands, Brazil, Malaysia, Hong Kong and New York.

James D. Webster, is a geologist and curator of the mineral deposits collections, Department of Earth and Planetary Sciences, American Museum of Natural History (AMNH), New York, which he joined in 1990. After working as a mineral deposits exploration field geologist in the early 1980s, he earned his PhD at Arizona State University in 1987, was a post-doctoral fellow with the United States Geological Survey in Reston, VA, and a NATO post-doctoral fellow at the University of Edinburgh, Scotland. At AMNH, he has served as lead curator for the traveling temporary exhibition "GOLD" and co-curator for the Gottesman Hall of Planet Earth. Coauthor (with EA Mathez) of the book, *The Earth Machine: The Science of a Dynamic Planet*, he has published numerous scientific articles on his research of hot water-rich fluids and their role in generating most of Earth's metallic mineral deposits and in driving explosive volcanic activity. This research has taken him to the low-grade gold deposits of Carlin, Nevada; the rich tungsten deposits of southern Germany; and to explosive volcanoes in Italy, Indonesia, and Alaska. In the laboratory, he simulates processes of metal-deposit formation and volcanic activity by melting rocks and generating magma at elevated temperatures and pressures equivalent to those of the Earth's uppermost crust.

William R. Williams, vice president, Environment, Barrick Gold Corporation, which he joined in July 2008. His focus is to drive improvement in Barrick's environmental performance by emphasizing leadership, transparency and accountability. His responsibilities include: leading Barrick's environmental efforts globally in a way that is consistent with the company's Responsible Mining approach; ensuring that all Barrick operations receive the training, tools, and knowledge needed to remain compliant with environmental laws, regulations, and obligations, and to continually improve environmental performance; educating internal and external stakeholders regarding Barrick's Environmental Policy and Environmental Management System, including the company's performance against stated environmental goals and targets. Williams brings to Barrick more than 30 years of professional experience in extractive industries and more than 15 years in senior management positions. Before joining Barrick, he was vice president, Environment, Health and Safety and Construction for Resolution Copper Mining LLC, a company owned by Rio Tinto and BHP Billiton. He also worked for nearly a decade in environmental and other leadership positions at Kennecott Utah Copper Company.

Joseph A. Zock, managing director and portfolio manager, Tocqueville Asset Management LP, which he joined in 2006; at Tocqueville, he is a member of the Multi Cap Equity and the International Multi Cap Equity Investment Committees. Previously, Zock spent 24 years with Capital Management Associates where he served as president, chief investment officer, and senior portfolio manager of the firm. He holds a BA in Political Science and Economics from the University of New Hampshire, a JD from the Thomas Jefferson School of Law, and a CIS from the University of London, King's College School of Law.

Benjamin Zucker, authority on precious stones; after attending Yale and Harvard Law School, Zucker followed his grandfather and father into the family gem business. Among his more recent publications are *Gems and Jewels: A Connoisseur's Guide* (2003), as well as the novels *Blue* (2000), *Green* (2001), and *White* (2008) in which precious stones play a vital role in the lives of the protagonists. Among his other publications are *A Green Diamond* (1998) and *Islamic Rings and Gems* (1984). He has assembled the Zucker Family Collection, widely regarded as the best American private collection of antique rings, on long-term loan to the Waters Art Gallery, Baltimore, and now on exhibition in "Bedazzled: 5,000 Years of Jewelry." A current project is the history of Elihu Yale, the American-born British trader and politician who used part of the fortune he made in diamond trading to help found the university that bears his name. A portion of the collection assembled for this project is on view at Yale's Peabody Museum of Natural History from November 2008. He has lectured widely, appears in the media, and was profiled in *Art + Auction* (September 2008).

To Register

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Conference location: This conference is held at City University of New York the Graduate Center, Fifth Avenue between 34th and 35th Streets, with evening events at various locations.

Program subject to change.



Tamil Nadu, *Indian Priest's Ceremonial Necklace*, 16th century. gold and rubies. Collection, Mary McFadden. Photo: Stephen Piersanti.

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Atelier Zobel, designed by Peter Schmid. Cuff, 24-karat gold fused to sterling silver, rose cut rough diamonds set in 18-karat gold, cognac brilliant cut diamonds.
Image courtesy: Atelier Zobel.

Gold:

Substance, Symbol and Significance

Friday, April 8 – Saturday, April 9, 2011
A Conference in New York City