

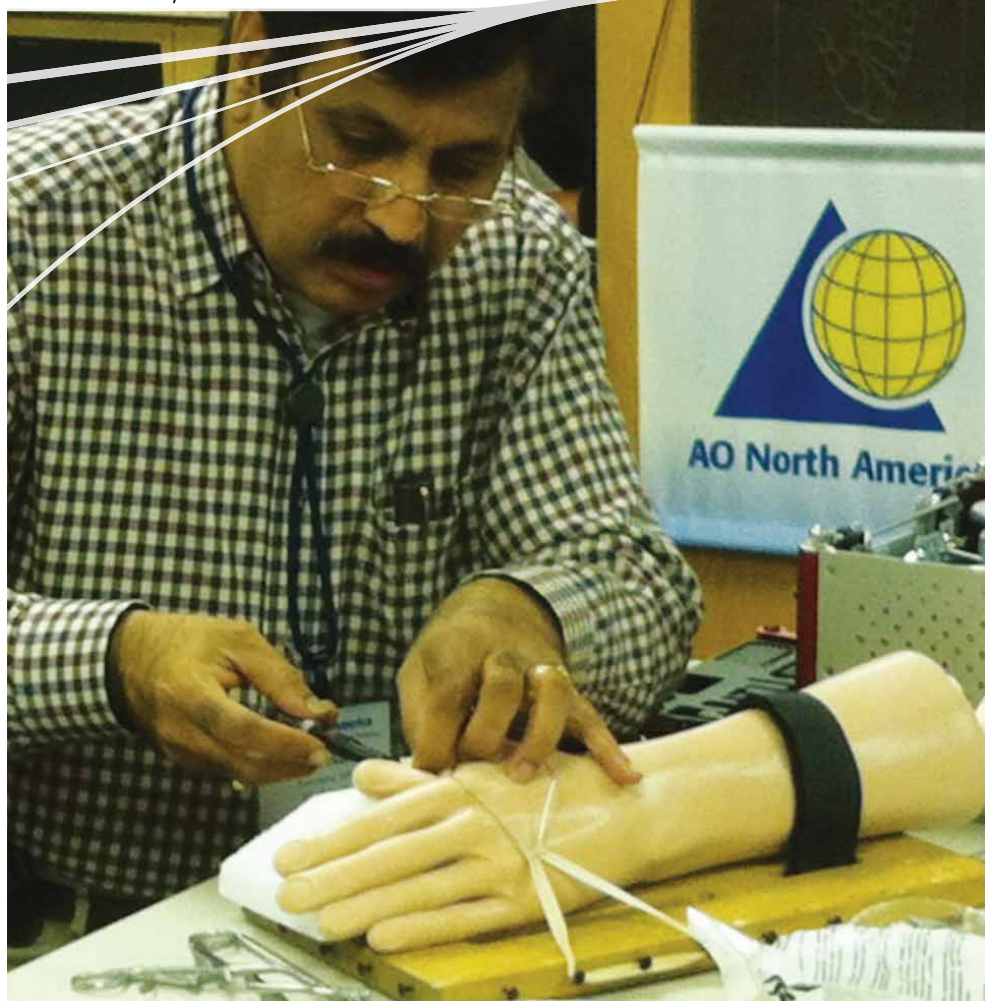
Preliminary Program

AOTrauma Course – Hand and Wrist Comprehensive Fracture Management

April 10 – 13, 2014

Hotel del Coronado

Coronado, California



AOCMF

AOSpine

AOTrauma

AOVET



EDUCATION



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AO North America
1700 Russell Road
Paoli, PA 19301

www.aona.org

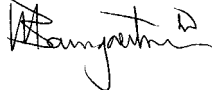
A letter from the President of AO North America



As President of AO North America (AONA®), I would like to share with you the overall mission of our organization and specifically our focus on education. Since 1958, the AO has been the worldwide leader in musculoskeletal trauma education. AONA provides comprehensive multidisciplinary education to surgeons, fellows and residents in the specialties of orthopedic, craniomaxillofacial, spine and veterinary surgery in the areas of trauma, specifically, operative reduction and fixation as well as degenerative disorders, deformities, tumors and reconstruction.

AONA, established as a regional entity of the AO Foundation in 1992, continues the long tradition of teaching excellence. As an independent, surgeon-driven, nonprofit specialty society, AONA is dedicated to the advancement of patient care. Our mission is to improve the care of patients with musculoskeletal injuries and their sequelae in North America through education and research in the principles, practice and results of treatment.

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Target Audience	6	Our educational activities include annual courses, symposia and regional summits and workshops. As evidenced by AO North America's Systematic approach to education, course offerings begin at basic principles and techniques levels through complex care in a variety of musculoskeletal disorders. Specialty courses are intensive and focus on specific anatomical areas of the musculoskeletal system.
Learner Objectives	6	Each educational offering has its own unique structure encompassing a mix of didactic sessions, hands-on laboratory experience (some with human or animal anatomic specimens), small group discussions, expert panels and live surgery transmissions, depending on the objectives and content of the program presented.
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CME Mission Statement

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopaedic, hand, craniomaxillofacial, spine, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

- Increase their knowledge base and surgical skill level
- Apply and document competencies in areas of relevant advances in knowledge in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques into patient care resulting in improved competence
- Address practice performance gaps by improving management of all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)





Course Description

The majority of hand fractures are un-displaced or minimally displaced. These fractures are stable (do not lose their position spontaneously or with gentle progressive range-of-motion exercises) and require only protection and rehabilitation. A smaller but very important cohort of hand fractures are displaced and unstable, may be irreducible, or both. Hand fractures are analyzed according to the number of fragments, the fracture configuration, displacement, clinical and radiographic deformity, stability, and function, as well as individual patient considerations.

This Course is designed to provide participants with systematic analysis of hand and wrist fractures and to apply treatment methodologies based upon fracture management principles:

- Anatomic reduction
- Stable fixation
- Preservation of blood supply
- Functional aftercare
- Early mobilization

A balanced program of didactic lectures, small group discussions, and hands-on laboratory sessions will be offered. Emphasis will be on bone and implant biomechanics, atraumatic soft tissue techniques, surgical incisions and approaches, stable fracture fixation, treatment of nonunion, osteotomies, arthrodesis, and rehabilitation.

Target Audience

The Course is primarily designed for surgeons in orthopaedic, plastic, and general surgery. Hand fellows who care for patients with hand fractures and who are interested in expanding their knowledge, skills, and judgement in selecting patients should also attend. Residents in training may also find the Course to be beneficial. The Course objectives will be met by a diverse, balanced program of didactic teaching, hands-on laboratory sessions, and interactive discussions. Closed-circuit television and videotapes will be used during the practical exercises, and each registrant will actively participate in fixation techniques on artificial bones. Instruction will include emphasis on bone and implant biomechanics, design and metallurgy, atraumatic soft tissue technique, surgical incisions and approaches, stable fracture fixation, treatment of nonunions, corrective osteotomies, arthrodeses, and rehabilitation.

Learner Objectives

At the conclusion of this Course, the participant should be able to:

- Differentiate between management of non-operative fractures and fractures that need operative stabilization
- Apply the AO Principles to hand and wrist fracture management, particularly soft tissue preservation in the operative management of unstable hand fractures
- Identify alternative fixation methods and their role in fracture management
- Recognize the indications for internal fixation of hand and wrist fractures
- Utilize appropriate surgical techniques in the treatment and reconstruction of various hand injuries

Accreditation



AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement

AO North America designates this live educational activity for a maximum of 27.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Faculty

The faculty of this Course is composed of international surgeons distinguished in the field of operative fracture care.

Course Co-Chair

Randip Bindra, MD, FRCS

Professor

Department of Orthopaedic Surgery

Loyola University Medical Center

Clarendon Hills, Illinois

Mark S. Cohen, MD

Professor

Director Hand and Elbow Section

Director Orthopaedic Education

Rush University Medical Center

Chicago, Illinois

Course Evaluator

Paul Binhammer, MSc, MD, FRCSC

Assistant Professor

Division of Plastic Surgery

University of Toronto

Head

Division of Plastic Surgery

Sunnybrook Health Sciences Centre

Toronto, Ontario

Invited Faculty

Terry Axelrod, MD, MSc, FRCSC

Professor

Division of Orthopaedic Surgery

University of Toronto

Toronto, Ontario

Kyle D. Bickel, MD, FACS

The Hand Center of San Francisco

Clinical Assistant Professor of Surgery

University of California San Francisco School of
Medicine

San Francisco, California

Emil Dionysian, MD, MS

Associate clinical professor of Orthopaedic surgery

University of California Irvine

Kaiser Permanente, Orange County

Anaheim, California

Jeffrey Friedrich, MD, FACS

Associate Professor of Surgery and Orthopaedics

University of Washington

Harborview Medical Center

Seattle, Washington

Jeffrey A. Greenberg, MD, MS

Partner and fellowship director

Indiana Hand to Shoulder Center

Clinical Assistant Professor

Department of Orthopedic Surgery

Indiana University School of Medicine

Indianapolis, Indiana

Douglas P. Hanel, MD

Professor, Hand and Microvascular Surgery

Harborview Medical Center

University of Washington

Seattle, Washington

Hill Hastings II, MD

Clinical Professor

Department of Orthopaedic Surgery

Indiana University Medical

Center Partner

Indiana Hand to Shoulder Center

Indianapolis, Indiana

Carlos Heras-Palou, MD, FRCS

Consultant Hand and Wrist Surgeon

Pulvertaft Hand Centre

Derby, United Kingdom

Harry Hoyen, MD

Associate Professor

Department of Orthopaedic Surgery

Metrohealth Medical Center

Cleveland, Ohio

Thomas R. Hunt, III, MD

Professor of Orthopedic Surgery and Surgery

Wilhemina A. Barnhart Endowed Chair

in Orthopedics

Chairman, Barnhart Dept. of Orthopedic Surgery

Baylor College of Medicine

Houston, Texas

Peter JL Jebson, MD

Instructor, Grand Rapids Medical

Education Partners

Associate Professor, Michigan State

College of Medicine

Grand Rapids, Michigan

Jesse Jupiter, MD, MA

Hansjörg Wyss AO Professor

Harvard Medical School

Department of Orthopaedic Surgery

Massachusetts General Hospital

Boston, Massachusetts

Invited Faculty (continued)

Jeffrey Lawton, MD

Associate Professor of Orthopaedic Surgery
Chief, Division of Elbow, Hand and Microsurgery
Department of Orthopaedic Surgery
University of Michigan
Ann Arbor, Michigan

Terry R. Light, MD

Dr. William M. Scholl Professor and Chairman
Department of Orthopaedic Surgery
and Rehabilitation
Loyola University School of Medicine
Maywood, Illinois

Chaitanya Mudgal, MD, MS (Ortho),
MCh

Director, Hand Fellowship Program, Massachusetts
General Hospital
Assistant Professor in Orthopaedics
Harvard Medical School
Boston, Massachusetts

David Ring, MD, PhD

Associate Professor, Department of
Orthopaedic Surgery
Chief, MGH Hand Service
Harvard Medical School
Boston, Massachusetts

Marco Rizzo, MD

Professor
Department of Orthopedic Surgery
Mayo Clinic
Rochester, Minnesota

Robert Wysocki, MD

Assistant Professor
Department of Orthopaedic Surgery
Rush University Medical Center
Chicago, Illinois

Faculty list subject to change.

Preliminary Program

April 10, 2014

Time	Moderator	Agenda Item	Lecturer
08:00 – 11:40		MODULE 1: INTRODUCTION AND EXTRAARTICULAR FRACTURES	
08:00 – 08:15		Introduction	Bindra; Cohen
08:15 – 08:30		Extraarticular Metacarpal Fractures	Bickel
08:30 – 08:45		Extraarticular Phalangeal Fractures	Cohen
08:45 – 09:05	Bindra	PRACTICAL EXERCISE I: 2.0mm Lag Screw Application - Oblique Diaphyseal Metacarpal Shaft Fracture	
09:05 – 09:35	Ring	PRACTICAL EXERCISE II: Fixation of Metacarpal II with a Compression Plate	
09:35 – 09:55	Greenberg	PRACTICAL EXERCISE III: Intramedullary Splinting of a Metacarpal V Fracture with K-Wires	
09:55 – 10:15		Coffee Break	
10:15 – 10:45		Problematic Pediatric Hand Fractures	Light
10:45 – 11:00		Does Metal Type Matter?	Axelrod
		Implant Surfaces and Metallurgy	
11:00 – 11:40		Small Group Breakout Discussion I	
11:40 – 12:30		Lunch	
12:30 – 13:00		Fracture Healing and How the Surgeon Can Help or Hurt	Heras-Palou
13:00 – 16:15		MODULE II: ARTICULAR FRACTURES	
13:00 – 13:15		Principles of Treating Articular Fractures in the Hand	Jebson
13:15 – 13:25		Treatment of Articular Fractures of the Thumb	Hoyen

Preliminary Program

April 10, 2014 (continued)

Time	Moderator	Agenda Item	Lecturer
13:25 – 13:45	Hunt	PRACTICAL EXERCISE IV: Fixation of Unicondylar Proximal Phalangeal Fracture Using a 2.0mm Lag Screw	
13:45 – 14:45	Jebson	PRACTICAL EXERCISE V: A. Fixation of a Bennett Fracture Applying 2.0mm Lag Screws B. Management of a Rolando Fracture Using a 2.0mm T-adaption Plate	
13:45 – 14:15			
14:15 – 14:45			
14:45 – 15:05		Coffee Break	
15:05 – 15:20		Management of Proximal Interphalangeal Joint Fracture Dislocations	Bindra
15:20 – 15:35		Tips and Tricks in Hand Fracture Management	Axelrod
15:35 – 16:15		Small Group Breakout Discussion II	
16:30 – 17:30		Reception	

Preliminary Program

April 11, 2014

Time	Moderator	Agenda Item	Lecturer
06:45 – 07:45		Meet the Experts - Participant HIPAA Compliant Cases (One-on-One Discussion)	
07:45 – 08:00		Coffee Break	
08:00 – 08:10		Review Summary of Day I	Jebson
08:10 – 11:45		MODULE 3: COMPLEX HAND INJURIES AND COMPLICATIONS	
08:10 – 08:45		Malunion and Nonunion in the Hand	Jupiter
08:45 – 09:15	Dionysian	PRACTICAL EXERCISE VI: Demonstration of Rotational Correction by Plate Application	
09:15 – 10:00	Lawton	PRACTICAL EXERCISE VII: Management of Bone Defect in the Proximal Phalanx with Bone Graft and 1.3mm Adaption Plate	
10:00 – 10:20		Coffee Break	
10:20 – 10:40		Soft-tissue Coverage in the Hand	Friedrich
10:40 – 10:55		Principles of Management of Combined Injuries	Dionysian
10:55 – 11:45	Hoyen	Panel Discussion with Faculty Cases	Bickel Greenberg Jebson
11:45 – 12:45		Lunch	
12:45 – 13:15		Patient Factors in Surgical Decision Making - Matching the Right Operation to the Right Patient	Light

Preliminary Program

April 11, 2014 (continued)

Time	Moderator	Agenda Item	Lecturer
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13:15 – 15:05

**MODULE 4:
ELECTIVE RECONSTRUCTION**

13:15 – 13:30

Digital Arthrodesis - Indications
and Techniques

Hunt

13:30 – 13:45

Leadership in the Operating Room -
Advocating for the Patient

Hanel

13:45 – 14:20

Mudgal

PRACTICAL EXERCISE VIII:

Tension Band Arthrodesis of PIP Joint

14:20 – 15:05

Friedrich

PRACTICAL EXERCISE IX:

Arthrodesis of MCP Joint (thumb)
Using a 2.0mm LCP

15:05 – 15:25

Coffee Break

15:25 – 16:45

**MODULE 5:
CARPAL INJURIES**

15:25 – 15:45

Management of Acute Fractures
of the Scaphoid

Hastings

15:45 – 16:00

Treating Other Carpal Fractures

Binhammer

16:00 – 16:45

Small Group Breakout Discussion III

Preliminary Program

April 12, 2014

Time	Moderator	Agenda Item	Lecturer
07:30 – 07:45		Review Summary of Day II	Hunt
07:45 – 12:00		MODULE 6: DISTAL RADIAL FRACTURES	
07:45 – 08:05		Distal Radius Fractures - Principles of Treatment	Jupiter
08:05 – 08:30		Volar or Dorsal Plating or Both - Decision Making in Plating Radius Fractures	Heras-Palou
08:30 – 08:40		Volar Plating of Distal Radius - Reduction Techniques and Pearls	Mudgal
08:40 – 08:50		Principles of External Fixation of Distal Radius Fractures	Jebson
08:50 – 09:40	Binhammer	PRACTICAL EXERCISE X:	
08:50 – 09:20		A. External Fixation of Distal Radius Fractures	
09:20 – 09:40		B. Indirect Reduction and Percutaneous Fixation of Distal Radius Fractures	
09:40 – 10:00		Coffee Break	
10:00 – 10:10		Distal Radius Fractures - Bridge Plating	Wysocki
10:10 – 11:00	Bickel	PRACTICAL EXERCISE XI:	
		Application of a Variable Angle 2-Column Distal Radial Plate	
11:00 – 12:00	Wysocki	PRACTICAL EXERCISE XII:	
		Fixation Using Variable Angle Dorsal Distal Radial Plate	
12:00 – 13:00		Lunch	
13:00 – 13:20		Carpal Ligamentous Injuries associated with Distal Radius Fracture - Evaluation and Treatment	Lawton
13:20 – 14:25		Small Group Breakout Discussion IV	

Preliminary Program

April 12, 2014 (continued)

Time	Moderator	Agenda Item	Lecturer
14:25 – 17:00		MODULE 7: DISTAL RADIAL MALUNION	
14:25 – 14:40		Malunion of the Distal Radius - Indications	Bindra
14:40 – 14:50		Malunion of the Distal Radius - Surgical Technique and Tips	Jupiter
14:50 – 15:00		Salvage for Post-traumatic Radiocarpal Arthritis	Greenberg
15:00 – 15:50	Hoyen	PRACTICAL EXERCISE XIII: Corrective Osteotomy of a Distal Radial Malunion and Application of Bone Graft	
15:50 – 16:05		Coffee Break	
16:05 – 16:20		Ulnar Neck and Ulnar Styloid Fixation and Techniques	Ring
16:20 – 17:00		Small Group Breakout Discussion V	

Preliminary Program

April 13, 2014

Time	Moderator	Agenda Item	Lecturer
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07:30 – 07:40		Review Summary of Day III	
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07:40 – 12:30

MODULE 8: RECONSTRUCTIVE OPTIONS

07:40 – 08:25	Hunt	PRACTICAL EXERCISE XIV: Ulnar Shortening Osteotomy
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08:25 – 08:50	Ring	PRACTICAL EXERCISE XV: Distal Ulnar Fracture Repair Using Hook Plate
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08:50 – 09:25		Scaphoid Nonunion	Hastings
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09:25 – 09:55	Heras-Palou	PRACTICAL EXERCISE XVI: Fixation of a Scaphoid Waist Fracture Using 3.0mm Headless Compression Screw
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09:55 – 10:15 **Coffee Break**

10:15 – 10:30		The SLAC (Scapho-Lunate Advanced Collapse) Wrist - Pathogenesis and Treatment Selection	Rizzo
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10:30 – 10:45		Intercarpal Arthrodesis for the SLAC Wrist	Cohen
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10:45 – 11:30	Jebson	PRACTICAL EXERCISE XVII: Intercarpal Fusion for SLAC Wrist Using 2.4mm LCP Variable Angle Fusion Plate
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11:30 – 12:15		Small Group Breakout Discussion VI
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12:15 – 12:30		Course Summary	Bindra
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Preliminary program subject to modification.

Presentation Information

Faculty Disclosure

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

Conflict of Interest Resolution Statement

When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

Off-Label / Experimental Discussions

Some medical devices used for teaching purposes and/or discussed in AO North America's educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

Liability Statement

AO North America faculty and staff assume no personal liability for the techniques or the use of any equipment and accessories used for teaching purposes in the laboratory. The certificate provided pertains only to the participants' completion of the course and does not, in any way, attest to the proficiency of the participants' clinical experience.

Disclaimer

AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used in this course is for teaching purposes only with the intent to enhance the learning experience.

Tuition and Registration

Tuition: Resident \$500.00 (US funds)
Attending \$1,440.00 (US funds)

Tuition Includes: Registration, laboratory materials, breakfast, lunch and break refreshments.

Registration is available online only at www.aona.org

We encourage early registration, as seating is limited.

Upon receipt of your registration and payment, you will receive an email confirmation of your registration in the Course, along with hotel and travel information to assist you in making your arrangements.

PLEASE NOTE: Registration deadline is March 17, 2014

Full refunds will be made only if written notice of cancellation is received by registration deadline date. Cancellations received after the deadline date will be subject to a 10% cancellation fee. No tuition refund will be issued for cancellations after the start date of the course.

ADA Statement

AO North America fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any registrant is in need of accommodation, please do not hesitate to submit a written request at least one month prior to this activity.

Until an email confirmation is received, please do not consider yourself registered in this Course.

For Information:

Contact AONA Customer Service Department

Phone: (800) 769-1391
(610) 695-2459 Ext 5123

Fax: (610) 695-2420

Email: customerservice@aona.org

Hotel and Travel

Hotel Accommodations

Room reservations are the responsibility of the individual registrant. A block of rooms has been reserved at a rate of \$259.00 per night, plus tax, single / double occupancy, at The Hotel Del_Coronado, 1500 Orange Avenue, Coronado, CA 92118 Phone: 619-522-8248. Rooms will be held until February 17, 2014 or until room block is filled, whichever comes first.

Travel

For individual needs, the airport and around town shuttle is handled by the Del Express at 888-364-2315. You may also contact Del Concierge at concierge@hoteldel.com or 800-HOTEL-DEL. The Concierge can also accommodate private charter service.

Please visit our website: www.aona.org to register and for other course offerings.



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Registration Deadline: March 17, 2014