



Western Orthopaedic Association

81st Annual Meeting

August 2-5, 2017
Grand Hyatt Kauai
Koloa, Kauai, Hawaii



PRELIMINARY PROGRAM

22 CME CREDITS

Presidential Guest Speaker

Peter J. Stern, MD
University of Cincinnati
Cincinnati, OH

Howard Steel Lecturer

Walter Cunningham
Apollo 7 Astronaut
Houston, TX

Allied Health Concurrent Meeting
Resident Review Program

www.woa-assn.org

Accreditation Information

PROGRAM COMMITTEE

The Western Orthopaedic Association gratefully acknowledges these orthopaedic surgeons for their contribution to the development of the scientific program:

Omer A. Ilahi, MD - Chair
Julius A. Bishop, MD
David Chafey, MD
Robert A. Hart, MD
Meghan Imrie, MD
Jeffrey E. Krygier, MD
Jay R. Lieberman, MD
Robert R. Slater, Jr., MD
Jennifer van Warmerdam, MD

MISSION

The Western Orthopaedic Association (WOA) is a physician organization composed of orthopaedic surgeons in practice in the western region of the United States. Its mission is to help ensure that people in the western region of the United States receive high quality ethical care by providing orthopaedists with educational programs, opportunities to foster collegiality and ways to influence health policy.

TARGET AUDIENCE

The 81st Annual Meeting of the Western Orthopaedic Association has been developed primarily for orthopaedic and trauma surgeons and allied health professionals with a practice profile that is exclusively musculoskeletal.

CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Western Orthopaedic Association. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of 22 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*13 CME Credits for Scientific Program

*4.75 CME Credits for Scientific E-Poster Sessions

*4.25 CME Credits for Multimedia Education Sessions

CEC CREDIT

Physician's Assistants can receive up to 22 credit hours toward Continuing Education Credits. AAPA accepts American Medical Association Category I, Level 1 CME credit for the Physician's Recognition Award from organizations accredited by the ACCME.

PURPOSE

Exchange of scientific information is vital to continuing professional development; therefore the Program Committee of the WOA has selected multiple research papers and invited nationally respected speakers to present practice-related techniques and findings in orthopaedic surgery that cover a breath of topics in a variety of orthopedics specialty areas.

OBJECTIVES

Educational objectives, in multiple orthopedic subfields including Hip and Knee Arthroplasty, Orthopedic Trauma, Sports Medicine, Hand Surgery, and Foot/Ankle Surgery, will be addressed

President's Message



Robert R. Slater Jr., MD

Aloha!

It is my honor and privilege to serve as President of the WOA this year. In that role, I am delighted to be able to extend a warm welcome to the 2017 Annual Meeting on the beautiful tropical paradise island of Kauai for all who wish to attend this extraordinary event.

The 81st Annual Meeting of the WOA will be held at the stunning Grand Hyatt Kauai Resort August 2-5, 2017. The venue is idyllic and a perfect spot for families, friends, spouses and significant others to unwind from the stress and strain of life on the mainland, and reconnect with long-time friends, or make new ones. There will be activities that appeal to every level of sports and leisure enthusiast: sailing, kayaking, snorkeling, fishing, playing golf or lying in a hammock gazing out to sea, to name just a few of the options. There will be a sailboat cruise along the world famous Napali coast for the adventurous who sign up early enough to snare one of the spots on board. Others may opt to visit the breathtaking botanical gardens with a trained botanist who will provide a special tour with a focus on the medical uses and history behind many of the exotic and native species found therein. Finally, on Saturday evening, the annual meeting will finish with a flourish – we will celebrate with a traditional sunset luau right on the beach!

The scientific program is headed up by Omer Ilahi, MD, from Houston, Texas. Omer and his Program Committee have been working hard this year to put together a program that will be unparalleled as a source of all that is new and exciting across all subspecialties of our profession. Each day, there will be a spotlight on different subspecialties in symposia format, along with topics and presentations that appeal to a wide spectrum of interests. Symposia include: Foot/Ankle; Adult Recon; Sports Medicine; Hand/Upper Extremity; Trauma; Hospital-Physician relationships; Patient Safety. Each day will also include “Rapid Fire” sessions, which are brief oral presentations given in smaller groups, thus allowing more discussion and interaction with like-minded colleagues.

Peter Stern, MD will be the Presidential Guest Speaker. Peter is a world renowned hand surgeon, academician, Department Chair and past president of the ASSH and ABOS, among other accomplishments. His presentation on “Impact Developments in Hand During my Lifetime” will be a fascinating look at how Orthopaedics has changed and continues to change and how we must adapt or get swept out to sea (which might just happen while sitting in Hawaii if one is not alert).

Walter Cunningham will deliver the Howard Steel Lecture. Walt was one of the three astronauts on Apollo 7, the first manned mission in the Apollo series of NASA's space program. As pilot of the lunar module, he was tasked with proving that separation and docking two vehicles traveling at high speed in space was not just a theoretical notion but was actually possible to accomplish safely. Later he took on the daunting task of being Chief of the Skylab branch of the Astronaut Office, and ultimately was inducted in the Astronaut Hall of Fame. Walt's comments about our place in the Universe and the importance of the space program as a focal point of shared excitement at a time of social upheaval all across the nation will resonate today more than ever.

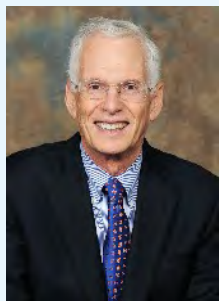
Plan now to attend and take full advantage of all of these phenomenal learning and recreational opportunities. Full details and more information are available on line: www.woa-assn.org.

Mahalo for your interest, engagement and participation.

Bob Slater

Robert R. Slater Jr., MD
WOA President

Presidential Guest Lecturer



Peter J. Stern, MD

WOA is pleased to welcome Peter J. Stern, MD as the 2017 Presidential Guest Speaker. Peter J. Stern, MD graduated from Williams College and received his medical degree from Washington University School of Medicine. He completed his Orthopaedic residency at the Harvard Combined Orthopaedic Program followed by a hand surgery fellowship in Louisville with Harold Kleinert. Dr. Stern is the current Hill Professor of Orthopaedic Surgery at the University of Cincinnati and served as Chairman from 1992-2013.

Dr. Stern is a past President of the American Society for Surgery of the Hand, the American Board of Orthopaedic Surgery and the American Orthopaedic Association. He is a past Trustee of the Orthopaedic Research and Education Foundation, and a past Chairman of the Orthopaedic RRC. Dr. Stern is a former Deputy Editor of both the *Journal of Bone and Joint Surgery* and the *Journal of Hand Surgery*, and now serves on the JBJS Board of Trustees. He has served as a visiting professor at over 70 institutions, has given 47 endowed lectureships, has over 190 peer review publications and has educated 62 fellows and over 140 orthopaedic residents.

Howard Steel Lecturer



Walter Cunningham

WOA is pleased to have astronaut Walter Cunningham as its Howard Steel Lecturer for the 81st Annual Meeting. Mr. Cunningham has fifty years of diversified management experience accumulated during separate careers in the United States Marine Corps, with the National Aeronautics and Space Administration and private industry, including twelve years as a venture capitalist. He is perhaps best known as America's second civilian Astronaut. During eight years with NASA he contributed to the design, development and testing of all the major operating systems of the Apollo spacecraft. In 1966, he was a member of the prime crew of Apollo 2 and backup crew for Apollo 1. When the Apollo 1 prime crew was killed in a fire on the pad, he served on the fire investigation board. In 1968, he orbited the earth 163 times as the pilot of Apollo 7—the first manned flight of the Apollo Program to land a man on the Moon. Apollo 7 is still the longest, most ambitious and most successful first flight of any manned vehicle. Following the Apollo 7 mission, he became Chief of the Skylab branch of the Astronaut Office.

He is a Marine Corps fighter pilot with the rank of Colonel, USMCR, Retired, with 4,500 hours of flying time, including 263 hours in space. He has a Master's Degree in Physics from UCLA and is a graduate of the AMP Program at the Harvard Graduate School of Business.

Since 1971, he has been in private business in Houston, Texas. His experience includes the presidency of two engineering companies, with extensive overseas operations, Vice President of Operations for one of the largest commercial property developers in the US and the presidency of an interactive voice response company.

In 1979, he formed The Capital Group to provide investment banking and consulting services to foreign investors. From 1986 to 1998 he was the Managing General Partner of the Genesis Fund, a venture capital pool where he was involved in the start-up and early stage development of 23 companies and financial institutions. This was followed by four years as host of "Lift-off to Logic," a radio call-in talk show.

Mr. Cunningham is an organizer, investor and Director of numerous public and private companies and a member of the Advisory Panel for the National Space Biomedical Research Institute. He is author of "The All American Boys," considered the best one or two books ever written on the space program and numerous articles, including a regular column for *Launch Magazine*. He lectures throughout the United States, Europe and Asia, is listed in all major Who's Whos and is a recipient of numerous national and international honors, including the NASA Distinguished Service Medal and election to the Astronaut Hall of Fame.

Accreditation Information continued

through a combination of symposia, research paper presentations, and E-posters, as well as multimedia education. After reviewing annual needs assessment, the program committee of the WOA has created a program for 2017 that will afford Orthopaedic Physicians and their Allied Health Professional Colleagues the opportunity to:

1. Foster a collegial and stimulating exchange of ideas between the research presenters, symposia faculty, and attendees through podium and rapid fire paper presentations, instructional symposia, case-based discussions, multimedia educational sessions, and E-poster exhibits.
2. Describe and employ an outcome-based rationale for the treatment of both common and complex orthopedic conditions.
3. Discuss the current procedures and trends in the treatment of degenerative and traumatic musculo-skeletal conditions with non-operative management or operative intervention, as required, be that using arthroscopic or open procedures.
4. Increase knowledge and facility in managing frequently encountered hand, foot, and ankle disorders.
5. Critically assess the utility of recently introduced orthopaedic procedures.
6. Describe and discuss methods to maximize patient safety and minimize complications.
7. Review current controversies in pain control for orthopedic conditions.

DISCLAIMER

The products, procedures, and opinions presented at this meeting reflect the viewpoint or approach of the presenter only, and are not to be attributed to the Western Orthopaedic Association. The Western Orthopaedic Association presents such material for informational purposes only, and does not endorse any such product or the content of any such presentation.

FORMAT

The educational sessions will be held Thursday, Friday and Saturday August 3-5, from approximately 7:00 am until 1:30 pm.

SCIENTIFIC E-POSTER SESSIONS

Scientific E-Posters are an important feature of the WOA Annual Meeting. E-Posters will be on display each day of the Scientific Program and E-Poster presenters will be available to answer questions before and after the Scientific Program Sessions. Please note on the Scientific Program Schedule the designated times the E-Poster presenters will be available for discussion.

MULTIMEDIA EDUCATION SESSIONS

The WOA will provide multimedia education sessions on Thursday, Friday and Saturday, August 3-5. A comprehensive selection of AAOS DVDs will be available for your individual education. These DVDs will highlight surgical procedures and current concepts in Orthopaedics. Registered attendees should find these DVDs informative and helpful in their practice.

PHYSICIAN REGISTRATION FEE

Registration covers the Scientific Program Sessions, Syllabus, Daily Continental Breakfasts and Coffee Breaks, General Meeting Expenses, Multimedia Educational Sessions, Scientific E-Poster Sessions, Welcome Reception, Exhibitor Reception and Family Luau.

Thursday, August 3, 2017

6:00 am – 6:45 am **Scientific E-Poster Session**
Presenters will be available to answer questions.

6:45 am – 7:00 am **First Business Meeting**

7:00 am – 7:15 am **Welcome and Announcements and Meeting Overview**
Omer A. Ilahi, MD, Program Chair and Robert R. Slater, Jr., MD, President

General Session 1 – WOA/OREF Young Investigator Award

7:15 am – 7:40 am Young Investigator Award Abstract Presentations

Symposium 1 – Foot and Ankle
Moderator: Vinod K. Panchbhavi, MD, FACS, University of Texas Medical Branch

7:40 am – 7:52 am Management Of The Charcot Foot
Vinod K. Panchbhavi, MD, FACS, University of Texas Medical Branch

7:52 am – 8:04 am Jones Fracture Management
Gregg A. Lundeen, MD, MPH, Reno Orthopaedic Clinic

8:04 am – 8:16 am Lisfranc Joint Injuries
Thomas G. Harris, MD, Congress Orthopaedic Associates

8:16 am – 8:28 am Talar OCD Management
Kenneth J. Hunt, MD, University of Colorado School of Medicine

8:28 am – 8:40 am Discussion

8:40 am – 9:00 am *Break – Please visit Exhibits*

General Session 2 – AAOS Report & Presidential Guest Speaker

Moderator: Robert R. Slater, Jr., MD, Folsom, CA

9:00 am – 9:05 am **Own The Bone**
Fred C. Redfern, MD

9:05 am – 9:20 am **AAOS Report**
William J. Maloney III, MD, Stanford School of Medicine

9:20 am – 9:50 am **Presidential Guest Speaker**
Impact Developments In Hand During My Lifetime
Peter J. Stern, MD, University of Cincinnati College of Medicine

Rapid Fire Session 3A-E – Topics TBD

9:55 am – 10:25 am Abstract Presentations

Concurrent PA Session 1 - Knee & Shoulder

Moderator: Theodore W. Coates, PA-C

9:55 am – 10:45 am The Knee And Shoulder Exam
Richard A. Marder, MD, University of California, Davis

10:25 am – 10:45 am *Break – Please visit Exhibits*

Symposium 2 – Hip/Knee Arthroplasty
Moderator: Michael Huo, MD, University of Texas Southwestern Medical Center

10:45 am – 11:00 am Minimally Invasive Surgery In Joint Replacement. Where Are We?
Michael Huo, MD, University of Texas Southwestern Medical Center

11:00 am – 11:15 am Preventing and Treating Total Joint Arthroplasty Infections
Kenneth Mathis, MD, University of Texas Health Science Center

11:15 am – 11:30 am Robotics, Navigation, And Custom Implants For Total Joint Arthroplasty
William J. Maloney III, MD, Stanford School of Medicine

11:30 am – 11:45 am Discussion

11:45 am – 12:45 pm **WOA Luncheon - Industry Presentation**
*CME Credit Not Available

Symposium 3 – Patient Safety
Moderator: David C. Ring, MD, PhD, Dell Medical School, The University of Texas at Austin

12:45 pm – 1:35 pm Opioid Use For Acute Pain Relief
David C. Ring, MD, PhD, Dell Medical School, The University of Texas at Austin

Panel
Marc DeHart, MD, University of Texas Health Science Center

William J. Maloney III, MD, Stanford School of Medicine

John Garber, MD, Witham Orthopedics Associates

C. Lowry Barnes, MD, University of Arkansas for Medical Sciences

James T. Guille, MD, Brandywine Institute of Orthopaedics

Matthew J. Matava, MD, Washington University School of Medicine

1:35 pm – 1:45 pm Discussion

1:45 pm – 2:45 pm **Industry Presentation**
Legally Mine
*CME Credit Not Available

Scientific Program

Presenters and times subject to change

Grand Hyatt Kauai ♦ Koloa, Kauai, Hawaii

2017 Resident Review Program

1:45 pm – 2:15 pm	DECADE – Things I Learned My First Ten Years In Practice <i>Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital</i>
2:15 pm – 3:00 pm	Transitioning From Training To Practice <i>Debra Phairas, Practice & Liability Consultants, LLC</i>
3:00 pm – 3:45 pm	Physician Practice Options <i>Debra Phairas, Practice & Liability Consultants, LLC</i>
3:45 pm – 4:15 pm	How To Give A Presentation At A National Meeting <i>Milton “Chip” Roult Jr., MD, University of Texas Health Science Center</i>
4:15 pm – 4:45 pm	How To Review Your First Employment Contract <i>Rosalyn Nguyen JD, MBA, The University of New Mexico Office of University Counsel</i>
4:45 pm – 5:00 pm	Discussion
1:45 pm – 2:45 pm	Scientific E-Poster Session Presenters will be available to answer questions.
2:45 pm – 5:00 pm	Multimedia Education Session

Friday, August 4

6:00 am – 7:00 am	Scientific E-Poster Session Presenters will be available to answer questions.
7:00 am – 7:05 am	Announcements <i>Omer A. Ilahi, MD, Program Chair</i>

General Session 4 – WOA Resident Awards

7:05 am – 7:55 am	WOA Resident Award Abstract Presentations
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Concurrent PA Session 2 - Foot & Ankle With Saw Bones Session

Moderator: Theodore W. Coates, PA-C

7:05 am – 8:30 am	Do Not Miss These Injuries Of The Foot & Ankle <i>Chris D. Kreulen, MD, University of California, Davis</i>
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Rapid Fire Session 5A-E – Topics TBD

8:00 am – 8:40 am	Abstract Presentations
8:40 am – 9:00 am	Break – Please visit Exhibits

General Session 6 – BOC Report & Howard Steel Lecture

Moderator: Robert R. Slater, Jr., MD, Folsom, CA

9:00 am – 9:05 am	BOC Report <i>Bryan S. Moon, MD, MD Anderson Cancer Center</i>
9:05 am – 9:10 am	WOF Report <i>Robert R. Slater, Jr., MD, Folsom, CA</i>
9:10 am – 9:15 am	Introduction of Howard Steel Lecturer <i>Robert R. Slater, Jr., MD, Folsom, CA</i>
9:15 am – 10:05 am	Howard Steel Lecture The Golden Age of Spaceflight <i>Walter Cunningham, Houston, TX</i>
10:05 am – 10:25 am	Break – Please visit Exhibits

Symposium 4 – Sports Medicine

Moderator: Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute

10:25 am – 10:40 am	Treating Patellofemoral Instability <i>Omer A. Ilahi, MD, South West Orthopedic Group / Texas Arthroscopy & Sports Medicine Institute</i>
10:40 am – 10:55 am	Reconstruction Of The Superior Gleno-Humeral Capsule <i>Stephen S. Burkhart, MD, The San Antonio Orthopaedic Group</i>
10:55 am – 11:10 am	ACL Graft Choices & Femoral Drilling Techniques <i>David J. Mansfield, MD, El Paso Orthopaedic Surgery Group</i>
11:10 am -11:25 am	Discussion
11:25 am – 12:25 pm	WOA Luncheon - Industry Presentation *CME Credit Not Available

Symposium 5 – Impact Of Innovative Procedures And Techniques Utilized For Hand, Wrist, and Elbow Disorders on Patient Outcomes: Is Novel Always Better?

Moderator: Thomas R. Hunt, MD, Baylor College of Medicine

12:25 pm – 12:35 pm	Innovation in Medicine and Its Impact on Quality of Care <i>Thomas R. Hunt, MD, Baylor College of Medicine</i>
12:35 pm – 12:50 pm	Innovation in Pediatric Orthopedics: Impact on Patient Outcome <i>Pamela J. Sherman, MD, Cook Children’s Medical Center</i>
12:50 pm – 1:05 pm	Innovation in the Care of Wrist Disorders: Impact on Patient Outcome <i>Brian D. Adams, MD, Baylor College of Medicine</i>

Preliminary Scientific Program

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1:05 pm – 1:20 pm	Innovation in Upper Extremity Fracture Care: Impact on Patient Outcome <i>Scott A. Mitchell, MD, Baylor College of Medicine</i>	8:55 am – 9:00 am	Partnering with a Hospital in a Surgery Co-Management Model <i>Usman Mirza, MBA, The San Antonio Orthopaedic Group</i>
1:20 pm – 1:25 pm	Discussion	9:00 am – 9:05 am	Discussion
1:30 pm – 2:30 pm	Scientific E-Poster Session Presenters will be available to answer questions.	Concurrent PA Session 3 – MR Imaging Interpretation Moderator: Theodore W. Coates, PA-C	
2:30 pm – 3:30 pm	Multimedia Education Session	9:05 am – 9:50 am	MR Imaging Of The Knee And Shoulder <i>Russell C. Fritz, MD, National Orthopaedic Imaging Associates</i>

Saturday, August 5

6:00 am – 7:00 am	Scientific E-Poster Session Presenters will be available to answer questions.	9:10 am – 9:50 am	Abstract Presentations
7:00 am – 7:15 am	Second Business Meeting	9:50 am – 10:15 am	Break – Visit Exhibits
Symposium 6 – Trauma Moderator: Kyle F. Dickson, MD, South West Orthopedic Group			
7:15 am – 7:30 am	Open Fractures, Especially Of The Tibia <i>Kyle F. Dickson, MD, South West Orthopedic Group</i>	10:15 am – 10:20 am	OREF Update
7:30 am – 7:45 am	Evaluating Cervical Spine Injuries <i>Rex A. Marco, MD, Houston Methodist Hospital</i>	10:20 am – 10:50 am	Presidential Address Grand, High Views of The WOA and the WOF: Understanding Where We've Been To Predict Where We're Going <i>Robert R. Slater, Jr., MD, Folsom, CA</i>
7:45 am – 8:00 am	New Perspectives in the Treatment of Osteomyelitis <i>David W. Lowenberg, MD, Stanford Sports Medicine Clinic</i>	10:50 am – 11:00 am	Refreshment Break
8:00 am – 8:15 am	Discussion	General Session 8 – OREF Update & Presidential Address Moderator: Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute	
8:15 am – 8:45 am	WOA Brunch – Industry Presentation *CME Credit Not Available	11:00 am – 11:45 am	Abstract Presentations
Symposium 7 – Physician-Hospital Relationships Moderator: Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine			
8:45 am – 8:50 am	Orthopedics Without A Hospital <i>Basil R. Besh, MD, Fremont Orthopaedic & Rehabilitative Medicine</i>	11:00 am – 12:30 pm	Fractures Of The Hand And Wrist <i>Speaker TBD</i>
8:50 am – 8:55 am	Current Economics of Orthopaedic Private Practice Model <i>Omer A. Ilahi, MD, South West Orthopedic Group / Texas Arthroscopy & Sports Medicine Institute</i>	Concurrent PA Session 4 – Upper Extremity Fractures With Saw Bones Session Moderator: Theodore W. Coates, PA-C	
Rapid Fire Session 7A-7E – Topics TBD			
Rapid Fire Session 10A-E – Topics TBD			
General Session 9 – Primary Research			
Abstract Presentations			
Multimedia Education Session			



Grand Hyatt Kauai

1571 Poipu Road, Koloa, Hawaii, 96756

Discover the wonders of the Garden Isle at Grand Hyatt Kauai Resort & Spa. Set along the soothing white sands of Poipu, on Kauai's sunny south shore, the remarkable hotel is balanced between magnificent lush mountains and the azure sea. 50 oceanfront acres of discovery as lush gardens, manicured lawns, open courtyards and pristine pools to relax and soak in the sun blend with our legendary Hawaiian classic architecture. Play 18 holes on the championship Robert Trent Jones Jr. golf course, adjacent to the hotel. Relax, refresh and recharge with a visit to Anara Spa. Explore beyond and spend the day zip-lining, surfing, hiking, kayaking or scuba diving among rare sea turtles and colorful fish.

Hotel Room Reservation and Rates

Room Block Cutoff Date: June 30, 2017

WOA has reserved a block of sleeping rooms for your convenience while attending the Annual Meeting and will hold these rooms until **June 30, 2017**. To make a reservation, call 888-421-1442. **Space is limited, so make your reservation early!** Please mention that you are with *Western Orthopaedic Association* to get the discounted rate!



Room Category	Rate
Standard View	\$329
Pool/Partial Ocean View	\$384
Deluxe Ocean View	\$399

Mandatory Portorage charge of \$9 per person

Confirmation: A hotel confirmation will be sent to you.

Deposit: At the time of booking a two (2) nights deposit will be required to hold the reservation.

Room Cancellations: Cancellations from 30 days up to 7 days prior to arrival which may include date changes, will be assessed two night's room rate, plus applicable taxes. Cancellations from 6 days to arrival date, which may include date changes, will be assessed the cost of the full length of stay, plus applicable taxes. You will receive a room cancellation confirmation number.

Transportation and Airline Information

Grand Hyatt Kauai Resort & Spa is a 20-minute drive from Lihue Airport (LIH). The most affordable transportation is Robert's Hawaii Shuttle Service. Use promo code **WOA2017** when you call 1-888-472-4729 or book online at <https://www.airportshuttlehawaii.com/promo/>. The special rate is \$20.70 per person each way. Taxi service is approximately \$50 one-way. Limo service is available by calling North Shore Limo at 1-808-828-6189.

If you would like to rent a car, Hertz discounts are available by calling 800-654-2240 and referencing **CV #04B00009** or online at www.hertz.com: under the Reservation form, click the box next to "Enter a Discount or Promo Code" and enter **04B00009** in the Convention Number field. The Grand Hyatt offers complimentary self-parking, and valet parking is \$25 per day.

Wednesday, August 212:00 pm – 5:00 pm **WOA Board of Directors Meeting**12:00 pm – 5:00 pm **Meeting Registration**12:00 pm – 5:00 pm **Exhibitor Setup****Thursday, August 3**6:30 am – 1:40 pm **Meeting Registration**6:45 am – 1:40 pm **Technical Exhibits, Continental Breakfast, Coffee Breaks and Daily Drawing**6:45 am – 7:00 am **First Business Meeting**

8:30 am – 10:00 am **Spouse/Children's Hospitality Breakfast with an Astronaut!**
 Join your friends and meet new spouses while enjoying a continental breakfast and learning about space from Astronaut Walt Cunningham.
Price: Included in Registration Fee or \$40 per Unregistered Adult Guest and \$20 per Child (5-17 years)

9:50 am – 10:40 am **Concurrent PA Session 1 - Knee & Shoulder**11:40 am – 12:40 pm **WOA Luncheon - Industry Presentation**

12:30 pm – 5:30 pm **Waimea Canyon Tour**
 This tour takes you to the rim of one of the most awe-inspiring sites in Hawaii—Waimea Canyon, the “Grand Canyon of the Pacific.” Thousands of years of erosion have turned the canyon walls into a multi-hued canvas, where shadows and light produce a never-ending show. This tour also offers a spectacular view of Kauai’s western coast.
Price: \$62 per Adult (13 years+), \$50 Child (12 and under) \$50 per person (Please eat prior to tour.)

1:45 pm – 2:45 pm **WOA Industry Presentation**
Legally Mine1:45 pm – 5:00 pm **Resident Review Course**
*Price: Included in Registration Fee*5:00 pm – 6:00 pm **Resident Reception**
All Residents and Fellows are welcome to attend.
*Price: Included in Registration Fee*6:15 pm – 7:00 pm **New Member Reception**
All WOA new members are invited to attend this reception. The WOA Board, and other leadership, would like to take this opportunity to welcome you to the WOA.
Price: Included in Registration Fee

chedule of Events

Grand Hyatt Kauai ♦ Koloa, Kauai, Hawaii

7:00 pm – 9:30 pm

Welcome Reception

Have a wonderful evening overlooking the ocean and enjoying the Hawaiian breezes. You'll savor delicious food delicacies and open bar while chatting with friends and colleagues. Take pleasure in the Hawaiian entertainment and soak in the "Kauai" experience.

Attire: Resort Casual (no jacket required and spike heels not recommended)

Price: Included in Registration Fee or \$100 per Unregistered Adult Guest, \$50 per Unregistered Child (5-17 years)



Friday, August 4

6:00 am – 7:00 am

Regional and AAOS President's Breakfast Meeting with State Presidents and Board of Councilors

6:45 am – 1:25 pm

Meeting Registration

6:45 am – 1:25 pm

Technical Exhibits, Continental Breakfast, Coffee Breaks and Daily Drawing

7:05 am – 8:30 am

Concurrent PA Session 2 - Foot & Ankle with Saw Bones Session

8:45 am – 10:00 am

1 hour Adult Golf Clinic at Poipu Bay Golf Course

Covering the fundamentals of golf. Must wear golf attire (collared shirts, Bermuda shorts, and sneakers)

Price: \$37 per person (Minimum 4 people)

10:00 am – 11:15 am

1 hour Children's Golf Clinic at Poipu Bay Golf Course

Covering the fundamentals of golf. Must wear golf attire (collared shirts, Bermuda shorts, and sneakers)

Price: \$37 per person (Minimum 4 people)



11:25 am – 12:25 pm

WOA Luncheon - Industry Presentation

1:00 pm – 5:30 pm

Golf Tournament

Sprawled between lush mountains and rugged ocean cliffs on Kauai's sunny South Shore, Poipu Bay Golf Course boasts 18 championship holes with seashore paspalum greens that are as visually stunning as they are challenging. Designed by Robert Trent Jones, Jr., Poipu Bay is one of the most highly acclaimed resort courses in the Pacific. From 1994 to 2006, the course played host to the annual PGA Grand Slam of Golf. A round at Poipu Bay Golf Course affords you the opportunity to experience the sheer pleasures and daunting challenges of a course recognized as one of America's finest and to **"play where champions play."**

Price: \$207.50 per person - Includes green fees, tournament fee and prizes and box lunch; \$175 per person without box lunch



1:50 pm – 4:00 pm

Botanical Gardens Medical Tour

This garden is over 250 acres of conservation research land and home to over 6,000 rare and endangered species of plants. We'll take a short leisurely walk to an enchanted tropical rain forest which has a backdrop of one of the most beautiful waterfalls on Kauai, Waihulili Falls. This magical trail is lined with some of the rarest species of plants found in the Garden. Guests must be able to walk



Tentative Schedule of Events

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approximately 1/4 mile over a one hour period with rest stops. Guests must wear comfortable attire for walking, including close toed shoes. It is also recommended that guests bring along bug repellent.
Price: Adults \$40, Child (12 and under) \$20 per person (Minimum 15 people)

2:00 pm – 3:30 pm

Tennis Round Robin

3.5 level and above

Price: \$20 per person (Minimum 4 People)

5:30 pm – 7:30 pm

Exhibitor Reception

This is an opportunity to visit with the Exhibitors and view the scientific posters. Before you go to dinner, start your evening off with your favorite beverage!

Attire: Business Casual

Price: Included in Registration Fee or \$75 per Unregistered Adult Guest

5:30 pm – 7:30 pm

Kids' Movie Night with Arts & Crafts and Dinner

Dinner and a movie—fun!!! Watch a great movie and nibble on snacks and treats with your friends! If younger than 5 years old, must be accompanied by an adult.

Price: Included in Registration Fee or \$25 per Unregistered Child (5-17 years)

Saturday, August 5

6:45 am – 12:30 pm

Meeting Registration

7:00 am – 12:30 pm

Technical Exhibits, Continental Breakfast, Coffee Breaks and Daily Drawing

7:00 am – 7:15 am

Second Business Meeting

8:15 am – 8:45 am

WOA Brunch – Industry Presentation

9:05 am – 9:50 am

Concurrent PA Session 3 - MR Imaging Interpretation

11:00 am – 12:30 pm

Concurrent PA Session 4 - Upper Extremity Fractures with Saw Bones Session

12:30 pm – 6:00 pm

Sailing Na Pali Coast

Take in breathtaking views as you cruise along the Na Pali Coast. Enjoy beverage and snacks as we explore the coastline while the crew keeps you entertained with local stories about the sights on the way. This tour allows you to see sights that can only be seen from the water (an area you cannot drive to see). You will see the sea caves, valleys, cliffs and waterfalls of the Napali Coastline-what Kauai is known for!



Price: \$170 per person - Includes transportation, beverages and snacks. (Minimum 40 people)

7:00 pm – 10:00 pm

Family Luau - Havaiki Nui- A Journey to New Lands

Join us on a fascinating journey through Polynesia where a Royal feast nourishes both body and soul, and magical stories of Hawaii fill your heart. Listen to traditional and contemporary Hawaiian music and chants. Watch hula dancers tell beautiful stories of Hawaii with their elegant and graceful movements; enjoy this unique Hawaiian experience!

Attire: Resort Casual (no jacket required)

Price: Included in Registration Fee or \$150 per Unregistered Adult Guest and \$50 per Child (5-17 years)



WOA's 81st Annual Meeting Registration

August 2-5, 2017 ♦ Grand Hyatt Kauai Resort ♦ Kauai, Hawaii

MAIL: Western Orthopaedic Association, 110 West Rd, Suite 227, Towson, MD 21204

PHONE: 866-962-1388 ♦ FAX: 410-494-0515 ♦ WEB: www.woa-assn.org

Name	Degree	Sub-Specialty
Company/Institution	Department	
Address	City	State ZIP
Office Phone	Email Address	

Physician/Allied Health Registration Fee Includes: Scientific Sessions, E-Poster Sessions, Multimedia Sessions, Welcome Reception, Exhibitor Reception, Family Luau, Symposia, Continental Breakfasts, Workshops, and Breaks.

Spouse/Guest Registration Fee Includes: Spouse/Child Hospitality, Welcome Reception, Exhibitor Reception, and Family Luau.

Child Registration Fee Includes: Spouse/Child Hospitality, Welcome Reception, Kids' Movie Night with Arts & Crafts and Dinner, and Family Luau.

#	REGISTRANT CATEGORY	FEE
	New 2017 WOA Member	No Charge
	WOA Member Physician	\$770
	Non Member Physician	\$1,070
	Non Member Moderator/Presenter	\$770
	Senior Active Member	\$475
	Active Duty Military Physician	\$275
	Allied Health Professional Member	\$225
	Allied Health Professional Non Member	\$375
	Resident/Fellow	\$225
	Medical Student	\$225
	Spouse/Guest (18+)	\$275
	Child(ren) 5-17 years	\$35
	Child(ren) under 5 years	No Charge

#	TOURS/ACTIVITIES	FEE
	Waimea Canyon Tour - (\$62 per Adult 13 years+) - Thurs	
	Waimea Canyon Tour - (\$50 per Child 12 and under) - Thurs	
	Adult Golf Clinic - (\$37 per Adult) - Fri	
	Children's Golf Clinic - (\$37 per Child) - Fri	
	Golf Tournament - NO lunch (\$175 per Person) - Fri	
	Golf Tournament - with box lunch (\$207.50 per Person) - Fri	
	Botanical Gardens Medical Tour - (\$40 per Adult 13 years+) - Fri	
	Botanical Gardens Medical Tour - (\$20 per Child 12 and under) - Fri	
	Tennis Round Robin - (\$20 per Person) - Fri	
	Sailing Na Pali Coast - (\$170 per Person) - Sat	

ONLY unregistered spouses, guests, and children who wish to attend events should fill out this form. ➔

These events are included for registered spouses, guests and children.

#	UNREGISTERED GUEST EVENTS	FEE
	Spouse/Child Hospitality - Adult (\$40)	
	Spouse/Child Hospitality - Child 5-17 (\$20)	
	Welcome Reception - Adult (\$100)	
	Welcome Reception - Child 5-17 (\$50)	
	Kids' Movie Night with Arts & Crafts - (\$25)	
	Exhibitor Reception - Adult (\$75)	
	Family Luau - Adult (\$150)	
	Family Luau - Child 5-17 (\$50)	

Please provide the information below for each of your adult guests so we can put their name badges in your registration packet. Registered children (5-17) will receive a wristband.

Guest Name	City	State
Guest Name	City	State
Guest Name	City	State
Guest Name	City	State

Physician/Allied Health Registration Fee	\$ _____
Guest Registration Fees	\$ _____
Tours/Activities Fees	\$ _____
Unregistered Guest Fees	\$ _____
TOTAL	\$ _____

- ♦ Check Enclosed (payable to Western Orthopaedic Association)
- ♦ Charge my: ♦ Visa ♦ MasterCard ♦ American Express

CANCELLATION POLICY: Full refund (less \$35.00 administrative fee) will be granted if a cancellation is made prior to 10 business days before the meeting date; a 50% refund if canceled between 5 and 10 business days before the meeting date. No refund will be granted within 5 business days of the meeting, or anytime thereafter.

♦ **SPECIAL NEEDS:** If you have hearing, vision or mobility impairment and need appropriate accommodations in order to participate fully in this activity, please check here and notify us by July 1, 2017. You will be contacted by the WOA Management Company, DTMS, to discuss your needs.

CARD NUMBER	EXP. DATE	CVV
NAME ON CARD		
BILLING ADDRESS		
CITY	STATE	ZIP CODE



Western
Orthopaedic
Association

110 West Rd, Suite 227
Towson, MD 21204



See you in Kauai