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
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
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 Who’s 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 musculoskeletal 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

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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| 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* |

**Thursday, August 3, 2017**

**General Session 1 – WOA/OREF Young Investigator Award**

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<th>Time</th>
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<tr>
<td>7:15 am – 7:40 am</td>
<td><strong>Young Investigator Award Abstract Presentations</strong></td>
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**Symposium 1 – Foot and Ankle**  
Moderator: Vinod K. Panchbhavi, MD, FACS, University of Texas Medical Branch

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<tr>
<th>Time</th>
<th>Event</th>
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| 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, El Dorado Orthopaedic Surgery Group

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<tr>
<th>Time</th>
<th>Event</th>
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| 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* |

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

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<th>Time</th>
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| 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* |

**Rapid Fire Session 3A-E – Topics TBD**

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<th>Time</th>
<th>Event</th>
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<tr>
<td>9:55 am – 10:25 am</td>
<td><strong>Abstract Presentations</strong></td>
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**Concurrent PA Session 1 - Knee & Shoulder**  
Moderator: Theodore W. Coates, PA-C

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<th>Time</th>
<th>Event</th>
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</table>
| 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

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<tr>
<th>Time</th>
<th>Event</th>
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| 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* |
| 11:45 am – 12:45 pm | **Discussion** |

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

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<tr>
<th>Time</th>
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| 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*  

**Rapid Fire Session 3A-E – Topics TBD**

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<th>Time</th>
<th>Event</th>
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| 1:45 pm – 2:45 pm | **Industry Presentation**  
*Legally Mine*  
*CME Credit Not Available* |
2017 Resident Review Program

1:45 pm – 2:15 pm  
DECADE – Things I Learned My First Ten Years In Practice  
Payam Tabrizi, MD, Santa Clara Valley Orthopedics

2:15 pm – 3:00 pm  
Transitioning From Training To Practice  
Debra Phairas, Practice & Liability Consultants, LLC

3:00 pm – 3:45 pm  
Physician Practice Options  
Debra Phairas, Practice & Liability Consultants, LLC

3:45 pm – 4:15 pm  
How To Give A Presentation At A National Meeting  
Milton “Chip” Routt Jr., MD, University of Texas Health Science Center

4:15 pm – 4:45 pm  
How To Review Your First Employment Contract  
Rosalyn Nguyen JD, MBA, The University of New Mexico Office of University Counsel

4:55 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  
Omer A. Ilahi, MD, MD, Program Chair

General Session 4 – WOA Resident Awards

7:05 am – 7:55 am  
WOA Resident Award Abstract Presentations

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  
Chris D. Kreulen, MD, University of California, Davis

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
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>12:50 pm – 1:05 pm</td>
<td>Innovation in the Care of Wrist Disorders: Impact on Patient Outcome</td>
<td>Current Economics of Orthopaedic Private Practice Model</td>
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<tr>
<td></td>
<td>Brian D. Adams, MD, Baylor College of Medicine</td>
<td>Omer A. Ilahi, MD, South West Orthopedic Group / Texas Arthroscopy</td>
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<td></td>
<td></td>
<td>&amp; Sports Medicine Institute</td>
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<tr>
<td>1:05 pm – 1:20 pm</td>
<td>Innovation in Upper Extremity Fracture Care: Impact on Patient Outcome</td>
<td>Partnering with a Hospital in a Surgery Co-Management Model</td>
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<td>Scott A. Mitchell, MD, Baylor College of Medicine</td>
<td>Usman Mirza, MBA, The San Antonio Orthopaedic Group</td>
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<tr>
<td>1:20 pm – 1:25 pm</td>
<td>Discussion</td>
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<tr>
<td>1:30 pm – 1:40 pm</td>
<td>Scientific E-Poster Session</td>
<td>Concurrent PA Session 3 – MR Imaging Interpretation</td>
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<td>Presenters will be available to answer questions.</td>
<td>Moderator: Theodore W. Coates, PA-C</td>
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<td>2:30 pm – 3:30 pm</td>
<td>Multimedia Education Session</td>
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<td>Saturday, August 5</td>
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<tr>
<td>6:00 am – 7:00 am</td>
<td>Scientific E-Poster Session</td>
<td>Rapid Fire Session 7A-7E – Topics TBD</td>
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<td>Presenters will be available to answer questions.</td>
<td>9:10 am – 9:50 am Abstract Presentations</td>
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<tr>
<td>7:00 am – 7:15 am</td>
<td>Second Business Meeting</td>
<td>9:50 am – 10:15 am Break – Visit Exhibits</td>
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<tr>
<td>Symposium 6 – Trauma</td>
<td>General Session 8 – OREF Update &amp; Presidential Address</td>
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<tr>
<td>Moderator: Kyle F. Dickson, MD, South West Orthopedic Group</td>
<td>Moderator: Omer A. Ilahi, MD, South West Orthopedic Group/Texas Arthroscopy &amp; Sports Medicine Institute</td>
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<tr>
<td>7:15 am – 7:30 am</td>
<td>Open Fractures, Especially Of The Tibia</td>
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<td>Kyle F. Dickson, MD, South West Orthopedic Group</td>
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<td>7:30 am – 7:45 am</td>
<td>Evaluating Cervical Spine Injuries</td>
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<td>Rex A. Marco, MD, Houston Methodist Hospital</td>
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<td>7:45 am – 8:00 am</td>
<td>New Perspectives in the Treatment of Osteomyelitis</td>
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<td>David W. Lowenberg, MD, Stanford Sports Medicine Clinic</td>
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<td>8:00 am – 8:15 am</td>
<td>Discussion</td>
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<tr>
<td>8:15 am – 8:45 am</td>
<td>WOA Brunch – Industry Presentation *CME Credit Not Available</td>
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<tr>
<td>Symposium 7 – Physician-Hospital Relationships</td>
<td>General Session 9 – Primary Research</td>
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<tr>
<td>Moderator: Basil R. Besh, MD, Fremont Orthopaedic &amp; Rehabilitative Medicine</td>
<td>Moderator: Theodore W. Coates, PA-C</td>
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<tr>
<td>8:45 am – 8:50 am</td>
<td>Orthopedics Without A Hospital</td>
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<td></td>
<td>Basil R. Besh, MD, Fremont Orthopaedic &amp; Rehabilitative Medicine</td>
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*The complete Scientific Program and E-Poster Presentations, along with all the meeting information, is available at www.woa-assn.org*
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!**

<table>
<thead>
<tr>
<th>Room Category</th>
<th>Rate</th>
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<tr>
<td>Standard View</td>
<td>$329</td>
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<tr>
<td>Pool/Partial Ocean View</td>
<td>$384</td>
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<tr>
<td>Deluxe Ocean View</td>
<td>$399</td>
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Mandatory Porterage 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/](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](http://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 2

12:00 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 Mine
1:45 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
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
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 repellant.

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

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<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Sub-Specialty</th>
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<th>Company/Institution</th>
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<th>Office Phone</th>
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**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.

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<tr>
<th>#</th>
<th>REGISTRANT CATEGORY</th>
<th>FEE</th>
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<tr>
<td></td>
<td>New 2017 WOA Member</td>
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<tr>
<td></td>
<td>WOA Member Physician</td>
<td>$770</td>
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<td></td>
<td>Non Member Physician</td>
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<td></td>
<td>Non Member Moderator/Presenter</td>
<td>$770</td>
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<td>Senior Active Member</td>
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<td>Active Duty Military Physician</td>
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<td>Allied Health Professional Member</td>
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<td>Allied Health Professional Non Member</td>
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<td>Resident/Fellow</td>
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<td>Medical Student</td>
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<td></td>
<td>Spouse/Guest (18+)</td>
<td>$275</td>
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<td>Child(ren) 5-17 years</td>
<td>$35</td>
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<td></td>
<td>Child(ren) under 5 years</td>
<td>No Charge</td>
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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.

<table>
<thead>
<tr>
<th>Guest Name</th>
<th>City</th>
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**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.

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

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<tr>
<th>#</th>
<th>UNREGISTERED GUEST EVENTS</th>
<th>FEE</th>
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<tr>
<td></td>
<td>Spouse/Child Hospitality - Adult ($40)</td>
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<td>Spouse/Child Hospitality - Child 5-17 ($20)</td>
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<td></td>
<td>Welcome Reception - Adult ($100)</td>
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<td></td>
<td>Welcome Reception - Child 5-17 ($50)</td>
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<td></td>
<td>Kids’ Movie Night with Arts &amp; Crafts - ($25)</td>
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<td></td>
<td>Exhibitor Reception - Adult ($75)</td>
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<td>Family Luau - Adult ($150)</td>
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<td></td>
<td>Family Luau - Child 5-17 ($50)</td>
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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.

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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

CARD NUMBER EXP. DATE CVV

NAME ON CARD

BILLING ADDRESS

CITY STATE ZIP CODE
See you in Kauai