



MID-AMERICA ORTHOPAEDIC ASSOCIATION

35TH
ANNUAL MEETING

APRIL 19-23, 2017

Omni Amelia Island Plantation | Amelia Island, Florida

Pre-Meeting Course – Wednesday, April 19, 2017:

“The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee Patient”

Visit www.maoa.org to register online

Registration Deadline – **March 15, 2017**

MID-AMERICA
ORTHOPAEDIC
ASSOCIATION

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(ex officio position)

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Craig R. Mahoney, M.D.
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Dear Colleagues and Guests:

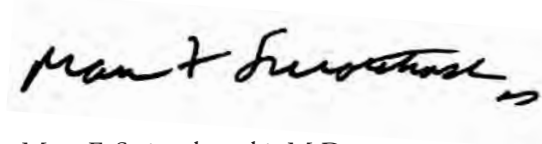
We hope you will be able to join us at Amelia Island, Florida, for the 35th Annual Meeting of the Mid-America Orthopaedic Association. I am sure you will find the Omni Amelia Island Plantation to be a superb venue that offers luxurious surroundings with many great activities for you and your family.

I would like to thank our Program Chair, Jeff Macalena, and his committee for their hard work in producing an outstanding academic program. They have put together a strong meeting with some new features which we feel will enhance the exchange of new information. We will continue to have a symposium during each of the three plenary sessions that will focus on value-based arthroplasty, spinal conditions for the general orthopedist, and sports injuries. Our pre-meeting course, "The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee" is being organized by Dr. Ryan Nunley. Instructional Course Lectures will be held on Thursday and Friday mornings prior to the plenary sessions and we will again have the popular Resident Quiz Bowl competition during the Saturday plenary session.

The tradition of the MAOA as far as outstanding guest speakers will continue. The Presidential Guest Speaker will be Dr. Mohit Bhandari from McMaster University who is a leading expert on evidence-based medicine and the role of randomized controlled trials in improving the care of the orthopedic patient. Classic Speakers include Dr. Jay Parvizi who will talk on controversies in total knee and hip arthroplasty, Dr. Regis O'Keefe will focus on the most important developments in the management of osteoarthritis, and Dr. Tom Einhorn will describe the most important bench to bedside research developments in the 21st Century. The Rapp Lecturer will be Dr. Freddie Fu, who is known to all of us, and asks "Is the Latest Always the Greatest?" We are still working on our Steel Lecturer. I will promise that it will be a renowned individual who is in the news frequently and/or has achieved international fame in athletics.

It has been a true honor and pleasure to serve as the 35th President of Mid-America Orthopaedic Association. I am confident you will all enjoy the academic and social opportunities that this meeting has to offer.

Beth and I look forward to seeing you all next April at Fantastic Amelia Island!



Marc F. Swiontkowski, M.D.
President
Mid-America Orthopaedic Association

Abstract Review

Mid-America Orthopaedic Association would like to recognize and thank the following for their time and effort in reviewing the abstracts for the 2017 scientific program.

Program Committee

Jeffrey A. Macalena, M.D.
Anthony F. Guanciale, M.D.
Carlos A. Higuera, M.D.
Amy T. Moeller, M.D.
Ryan M. Nunley, M.D.
Michael J. Taunton, M.D.

Ad Hoc Reviewers

Michael C. Albert, M.D.
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Christopher C. Kaeding, M.D.
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A. Noelle Larson, M.D.
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Matthew A. Mormino, M.D.
Michael P. Mott, M.D.
Ahmad N. Nassr, M.D.
Gregory M. Neely, M.D.
Peter S. Rose, M.D.
Jonathan Sembrano, M.D.
S. Andrew Sems, M.D.
Thomas W. Throckmorton, M.D.
Norman S. Turner, M.D.
Brian Walczak, M.D.
Christina M. Ward, M.D.
Patrick Yoon, M.D.

Disclaimer

The data, conclusions, and opinions presented by those who speak or exhibit at Mid-America Orthopaedic Association sponsored meetings or who serve as authors in its publications, are solely the responsibility of those individuals or exhibitors and are not to be considered those of the Association, which takes no responsibility for them. The Association does not endorse any products.

CME Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and Mid-America Orthopaedic Association.

The American Academy of Orthopaedic Surgeons is accredited by the ACCME to sponsor continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of 28.5* *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**8 CME Credits for MAOA/ICJR Pre-Meeting Course*

**16 CME Credits for Scientific Program*

**2.5 CME Credits for Scientific Poster Sessions*

**1 CME Credit for Ask the Expert*

**1 CME Credit for Quiz Bowl*

Objectives

Objective 1: Discuss the economic challenges of total joint arthroplasty in an evolving healthcare environment.

Objective 2: Understand the evolving role for outpatient total joint arthroplasty.

Objective 3: Provide a review for the treatment of complex orthopedic trauma conditions.

Objective 4: Review the diagnostic as well as treatment options for common orthopedic spine conditions.

Objective 5: Understand the current state of ACL surgery as well as common preoperative, intraoperative, and postoperative considerations.

Objective 6: Review the key aspects of limb salvage surgery.

Objective 7: Review new diagnostic techniques for infections in arthroplasty as well as treatment considerations.

Objective 8: Provide an understanding of evidence-based medicine and how large multicenter trials are arranged.

Objective 9: Understand the financial burden of osteoarthritis.

Objective 10: Provide the clinical outcomes for hip preservation.

Scientific Meeting in Brief

Wednesday | April 19, 2017

- 7:00 a.m. - 5:00 p.m. **MAOA/International Congress for Joint Reconstruction Pre-Meeting**
The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee Patient
- 5:00 p.m. **Board of Directors' Meeting**
- 5:00 p.m. - 9:00 p.m. **Exhibitor and Poster Setup**
- 6:30 p.m. **Exhibitors' Meeting**

Thursday | April 20, 2017

- 6:30 a.m. - 8:00 a.m. **IC I – Periprosthetic Femur Fracture Treatment Options and Controversies**
- 6:30 a.m. - 8:00 a.m. **IC II – “Doc, Don’t Cut My Leg Off!” – The State of the Art of Limb Salvage**
- 7:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**
(continental breakfast available from 7:30 a.m. - 9:00 a.m. in exhibit area)
- 8:00 a.m.- 3:00 p.m. Career Center Open
- 8:00 a.m. - 10:30 a.m. **Plenary Session**
Welcome: Marc F. Swiontkowski, M.D., MAOA President
Symposium I: Value-Based Arthroplasty
Classics Speaker: Javad Parvizi, M.D., FRCS
Title: Controversies in Total Knee and Hip Arthroplasty: Where Do We Go From Here?
Traveling Fellowship Presentations
Historian’s Report
First Business Meeting *(MAOA members only)*
- 10:30 a.m. - 11:00 a.m. Poster viewing – presenters will be available *(CME credit will be offered)*
- 10:30 a.m. - 11:00 a.m. **Coffee Break in Exhibit Area**
- 11:00 a.m. - 12:00 p.m. Ask the Expert – Trauma and Arthroplasty Cases
- 12:00 p.m. - 1:00 p.m. Industry-sponsored lunch/presentation – Mallinckrodt Pharmaceuticals
Title: OFIRMEV® (acetaminophen) Injection: An Acute Pain Management Tool for the Orthopedic Surgeon
(No CME credit offered)
- 1:15 p.m.- 3:00 p.m. **BO #1 Hand/Elbow**
BO #2 Sports Medicine
BO #3 Trauma
BO #4 Hip and Knee Arthroplasty
BO #5 Tumor/Education/Practice Management
- 3:30 p.m. - 4:30 p.m. Company-Sponsored Workshop – Larson Financial Group
Title: The Top Three Financial and Practice Management Mistakes for Orthopedic Physicians
(No CME credit offered)
- 6:00 p.m. - 7:30 p.m. Poster viewing – presenters will be available *(CME credit will be offered)*

Friday | April 21, 2017

- 6:30 a.m. - 8:00 a.m. **IC III – Three Ways: Providing Options for Treatment of Common Problems in Upper Extremity Surgery**
- 6:30 a.m. - 8:00 a.m. **IC IV – How to Stay Out of Trouble in High Energy Ankle, Hindfoot, and Midfoot Trauma**
- 7:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**
(continental breakfast available from 7:30 a.m. - 9:00 a.m. in exhibit area)
- 8:00 a.m.- 3:00 p.m. Career Center Open
- 8:00 a.m. - 10:30 a.m. **Plenary Session**
Presidential Guest Speaker: Mohit Bhandari, M.D.
Title: Think Bigger! The New Culture of Evidence-Based Orthopedics
- Symposium II: Spine for the General Orthopedist**
- AAOS REPORT: Lawrence S. Halperin, M.D.**
- Physician in Training Award presentations
- Classics Speaker: Regis J. O’Keefe, M.D., Ph.D.**
Title: Osteoarthritis: Impact and Current and Future Treatments
- 10:30 a.m. - 11:00 a.m. Poster viewing – presenters will be available *(CME credit will be offered)*
- 10:30 a.m. - 11:00 a.m. **Coffee Break in Exhibit Area**
- 11:00 a.m.- 1:00 p.m. **BO #6 Foot/Ankle**
- BO #7 Sports/Shoulder**
- BO #8 Trauma**
- BO #9 Total Knee Arthroplasty**
- BO #10 Hip Preservation and Arthroscopy**
- 6:30 p.m. - 7:30 p.m. **Steel Lecture**

Scientific Meeting in Brief

Saturday | April 22, 2017

6:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**
(continental breakfast available from 6:30 a.m. - 8:30 a.m. in exhibit area)

7:00 a.m. - 10:00 a.m. **Plenary Session**

Symposium III: Sports Medicine

Introduction of Poster Award winners

OREF Presentation

Rapp Lecturer: Freddie H. Fu, M.D.

Title: Is the Latest Always the Greatest?

Resident Quiz Bowl

Classics Speaker: Thomas A. Einhorn, M.D.

Title: From the Bench to the Bedside in the 21st Century: Are We Keeping our Promises?

Second Business Meeting (*MAOA members only*)

8:00 a.m. - 3:00 p.m. Career Center Open

10:00 a.m. - 10:30 a.m. **Coffee Break in Exhibit Area**

10:30 a.m.- 1:30 p.m. **BO #11 Hip Arthroplasty**

BO #12 Pediatrics/Spine

BO #13 Knee Arthroplasty

BO #14 Shoulder

BO #15 Sports Medicine

The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee Patient

Pre-meeting course on Wednesday, April 19, 2017

7:00 a.m. – 5:00 p.m.

Jointly sponsored by Mid-America Orthopaedic Association and the International Congress for Joint Reconstruction

Course Faculty to include:

Ryan M. Nunley, M.D., St. Louis, MO (*Course Chair*)
Matthew P. Abdel, M.D., Rochester, MN
David W. Anderson, M.D., MS, Kansas City, KS
C. Lowry Barnes, M.D., Little Rock, AR
Craig J. Della Valle, M.D., Chicago, IL
David G. Lewallen, M.D., Rochester, MN
Jeffrey A. Macalena, M.D., Minneapolis, MN
Michael A. Mont, M.D., Cleveland, OH
Denis Nam, M.D., MSc, Chicago, IL
Nicolas O. Noiseux, M.D., Iowa City, IA
Mark W. Pagnano, M.D., Rochester, MN
Rafael J. Sierra, M.D., Rochester, MN
Scott M. Sporer, M.D., Winfield, IL
Robert T. Trousdale, M.D., Rochester, MN

Pre-Course Agenda:

- Knee Braces in 2017: Are There Any Benefits?
- Viscosupplementation: Is it Worth the Hassle?
- Previous Knee Meniscectomy or ACL Reconstruction and the Future Need for TKA
- Proximal Tibial Osteotomy: Unloading the Medial Compartment
- Medial UKA: Fixed or Mobile
- UKA to TKA: Is it as Good as Primary TKA?

- Planning for the Complex Primary TKA
- Patella Resurfacing: Rarely, if Ever, Necessary
- Simultaneous Bilateral TKA: Does it Have a Place?
- Assuring Soft Tissue Balance: Measured Resection vs. Gap Balancing
- Tourniquet TKA: Let Me See
- Tourniquet-Less: Let it Bleed

- Cemented All-Poly Tibia in TKA: Good for All?
- Cemented TKA: Tried and True
- Cementless TKA: It's About Time
- Neutral Mechanical Alignment: Oldie but Goodie
- Kinematic Alignment: Recreate the Pre-Arthritic Knee
- Robotic-Assisted TKA: Man vs. Machine?

- Causes of TKA Failure: Avoiding Your Next Revision
- Getting Out the Well-Fixed TKA: Tips and Pearls
- Extensor Mechanism Deficiency: A Synthetic Mesh Approach
- Metaphyseal Sleeve/Cones for Severe Bone Loss: When Only Metal Will Do

- Perioperative Pain Management: Assuring a Happy Patient
- DVT Prophylaxis: Risk Stratification Solutions
- Diagnosing Infections: Pathway to Progress in 2017
- Rapid Recovery TKA Protocols: Making the Stay Brief and Safe
- Optimizing the Patient in the New Bundled Payment Environment

Join us one day prior to the MAOA Annual Meeting for this CME event of didactic lectures and an engaging series of interactive case-study workshops. Fee: \$250 for practicing orthopedists and \$150 for residents, fellows, medical students, and allied health. To register, visit the MAOA web site www.maoa.org. Click on "2017 Annual Meeting". 8 Category 1 CME credits will be offered for this one-day course. For more information, go to the ICJR www.icjr.net or MAOA www.maoa.org web sites.

Resident Quiz Bowl

Saturday, April 22, 2017

8:30 a.m. – 9:30 a.m.

Back by popular demand! This session will be a fun, interactive hour focusing on important issues in all areas of orthopedics. Format will be similar to a quiz show where orthopedic residents from academic programs in the Mid-America region will compete against one another answering questions from a well-informed moderator!! Score will be kept!! This will be an educational experience for both participants as well as the audience

For a complete list of the scientific presentations and posters, please visit the MAOA web site (www.maoa.org).

Meeting Registration

Registration for the 2017 Annual Meeting will be done online through Mid-America's web site. Please visit www.maoa.org to register for the meeting and reserve a hotel room. **All presenters are required to register and pay a registration fee.** Make plans early to attend a great meeting.

What is included in your registration fee?

See the MAOA web site regarding the separate registration fee for the Wednesday, April 19, 2017, pre-meeting course "The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee Patient."

Regular meeting and registration fees include:

Physician Registration

- Continental Breakfast in Exhibit Area on Thursday, Friday, and Saturday
- Coffee Breaks in the Exhibit Area
- Welcome Reception and Buffet Dinner on Wednesday
- Friday Night Dinner
- Meeting Expenses - As with all meetings, your registration fee helps to cover all expenses of the annual meeting, such as name badges, printing, postage, audiovisual equipment, etc.

Spouse/Guest Registration

- Continental Breakfast at the Spouse/Guest Hospitality on Thursday and Friday
- Welcome Reception and Buffet Dinner on Wednesday
- Friday Night Dinner
- Name badge

Controlling Registration Fees

Charges for functions, meeting space, and amenities are ameliorated in direct ratio to the number of rooms booked through the Association's block. Consolidating our reservations helps control registration fees.

The 2017 Meeting Registration Fees are as follows:

	On or before March 15, 2017	After March 15, 2017
Member	\$950.00	\$1,050.00
Nonmember	\$1,350.00	\$1,450.00
Resident/Fellow/Allied Health	\$500.00	\$600.00
Spouse/Guest of Members and Nonmembers	\$250.00	\$250.00
Spouse/Guest of Residents, Fellows, and Allied Health	\$0.00	\$0.00
Exhibitor —company representative (includes Wed. & Fri. dinners)	\$370.00	\$370.00
Exhibitor —company representative (includes Wed. dinner)	\$175.00	\$175.00
Exhibitor —company representative (includes Fri. dinner)	\$195.00	\$195.00
Exhibitor —company representative (no dinners included)	\$0.00	\$0.00

Please Note: If you are NOT a member of the MAOA, please consider joining at this time. If your membership application is returned to the Mid-America office by March 15, 2017, you will only be charged the member rate. The application can be found on the MAOA web site (www.maoa.org).

Meeting registration fee cancellation policy

Full meeting registration fees (less \$50.00 administrative fee) will be refunded if notice is received by March 15, 2017. All meeting cancellations must be received in writing. No refund of meeting registration fee will be granted if notice is received March 16, 2017, or later.

Policy regarding childrens attendance

All children attending the Thirty-Fifth Annual Meeting are welcome to attend various functions with a parent. **New this year, children 12 and under who wish to attend the evening functions on Wednesday and Friday nights in the MAOA program are free. Sign-up is required for the children's meals and can be done when completing your online registration.** Tickets for children 13-18 are \$75 for Wednesday evening and \$85 for Friday evening. At the Omni Amelia Island Plantation, children age 18 and under stay free of charge, when sharing a room with an adult.

Omni Amelia Island Plantation

The Omni Amelia Island Plantation is located on 1,350 acres at the tip of a barrier island just off the Northeast Florida coast. Enjoy luxurious oceanfront accommodations with unparalleled views of the Atlantic Ocean, world-class resort pools, championship golf, full-service spa, endless dining options, and family-friendly activities. Stroll 3.5 miles of pristine beach or spend an afternoon kayaking and paddle boarding through Amelia Island's preserved marshlands. Children will enjoy the award-winning kids' camp and Nature Center, both of which offer supervised activities. Visit www.omniameliaislandplantation.com for additional information about the resort.

MAOA has been allotted "Run of the House" accommodations. This means that the special MAOA room rate will include rooms in all categories. Accommodations will be assigned at the time of check-in according to your reservation request. MAOA will also offer a special rate for Executive Suites and Villas. These special MAOA group rates are valid three (3) days preceding and three (3) days following the meeting, based upon availability.

The MAOA daily room rate is as follows:

Oceanfront Run of House Room	\$299.00	Resort View 1-Bedroom Villa	\$324.00
Oceanfront Executive Suite	\$399.00	Resort View 2-Bedroom Villa	\$349.00
Oceanfront 1-Bedroom Villa	\$344.00	Resort View 3-Bedroom Villa	\$399.00
Oceanfront 3-Bedroom Villa	\$434.00		

Note: *The above European Plan (no meals included) rates are subject to applicable state and local taxes, which are currently 11% and subject to change.*

Resort amenities program: The Omni Amelia Island Plantation charges a daily Resort Fee of \$20.00 per room per day. **This fee has been waived for all attendees of the MAOA meeting who are booked through MAOA registration.** The resort fee includes unlimited internet access in all accommodations, complimentary self-parking, on-property Resort transportation service, unlimited use of Health & Fitness Center, in room coffee service, local and toll free phone access, Resort beach access, and Preferred Racquet Club and Golf Course reservation access. MAOA will be providing wireless service in the meeting rooms.

How to reserve a hotel room

Visit the Mid-America Orthopaedic Association web site www.maoa.org to reserve a hotel room. If you encounter any problems making your room reservation, please call the MAOA office at 507-281-3431 or the hotel direct at 866-669-2520. Room reservations will be closed March 15, 2017, or earlier if all hotel space has been allocated.

Hotel confirmation and cancellation policy

When requesting your room reservation you will need a valid American Express, Diners Club, Discover Card, Visa, or MasterCard number and expiration date. **Omni Resort:** One night's deposit is due at time of booking and if the guest must cancel they must do so prior to 12:00 p.m. three (3) days prior to arrival to avoid forfeiture of the deposit. **Amelia Villas:** Two night's deposit is due at time of booking and if the guest must cancel they must do so prior to 12:00 p.m. seven (7) days prior to arrival to avoid forfeiture of the deposit. Reservations may be reinstated based on availability of the hotel, at the prevailing rate. Special consideration will be given in cases of illness or death of immediate family member, supported by medical certification.

Airport/hotel transportation

The Omni Amelia Island Plantation is located 29 miles/45 minutes from the Jacksonville International Airport (JAX). **East Coast Transportation** is providing hourly shuttle service running from Jacksonville International Airport to the resort for \$52 per person each way **based on advanced reservations.** This shuttle service will be available only on the main arrival dates (April 19 and 20) and main departure dates (April 22 and 23). Private transportation can be arranged for any meeting date (see below).

Guests also have the option of private shuttle vehicles as follows (all dates of the meeting):

- Private Sedan - \$99 one-way (holds 1-2 passengers with luggage)
- Private SUV - \$156 one-way (holds 3-5 passengers with luggage)
- Private HT Executive Van - \$201 one-way (holds 6-10 passengers with luggage)

All rates listed above are inclusive of all fees as well as the chauffeur's gratuity.

Reservations for the above can be made online (www.maoa.org) when registering for the meeting.

Meeting at a Glance

Tuesday, April 18

6:00 p.m. - 8:00 p.m. **Registration**
Magnolia Foyer

6:00 p.m. - 8:00 p.m. **Speaker Ready Room**
Conference 3

Wednesday, April 19

6:30 a.m. - 8:00 p.m. **Registration**
Magnolia Foyer

6:30 a.m. - 8:00 p.m. **Speaker Ready Room**
Conference 3

7:00 a.m. - 5:00 p.m. **MAOA/ICJR Pre-Meeting Course**
The Knee: Current Concepts on Perioperative Optimization and Surgical Management of the Knee Patient

5:00 p.m. **Board of Directors' Meeting**

6:30 p.m. **Exhibit (Company Representative) Meeting**

7:00 p.m. - 9:00 p.m. **Welcome Reception and Buffet**
Magnolia Garden

8:30 p.m. - 10:30 p.m. **Bonfire and S'mores on the Beach**
Omni Beach

Thursday, April 20

6:00 a.m. - 3:00 p.m. **Registration**
Magnolia Foyer

6:00 a.m. - 3:00 p.m. **Speaker Ready Room**
Conference 3

6:30 a.m. - 8:00 a.m. **Instructional Courses**
IC I – Femur Fracture
IC II – Limb Salvage

7:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**

8:00 a.m. - 10:30 a.m. **Plenary Session**

8:00 a.m. - 3:00 p.m. **Career Center**

8:30 a.m. - 10:30 a.m. **Spouse/Guest Hospitality**
Live Oak

9:30 a.m. **Spouse/Guest Welcome**
Live Oak

10:30 a.m. - 10:40 a.m. **First Business Meeting**

10:30 a.m. - 11:00 a.m. **Poster Viewing**

11:00 a.m. - 12:00 p.m. **Ask the Expert**

12:00 p.m. - 1:00 p.m. **Company Sponsored Lunch**

1:15 p.m. - 3:00 p.m. **Breakout Sessions**

3:30 p.m. - 4:30 p.m. **Company Sponsored Workshop – Larson Financial Group**

6:00 p.m. - 7:30 p.m. **Exhibitors' Reception**

6:00 p.m. - 7:30 p.m. **Poster Viewing**

Dinner at Leisure

Friday, April 21 Optional Activities

Registration for the following social activities can be done via the MAOA web site www.maoa.org when registering for the meeting

1:30 p.m. **MAOA Golf Tournament - Scramble Format (shotgun start)**
Ocean Links Golf Course Cost: \$115 per person

2:00 p.m. **MAOA Tennis Tournament**
Racquet Park Cost: \$55 per person

2:00 p.m. **Marsh Kayak Tour**
The knowledgeable naturalists will guide you through a tidal salt marsh and point out wildlife and landmarks on your journey to the Intracoastal Waterway. Geared toward both beginners and experts, paddle and safety instruction is provided for all participants. *Approximately 2 hours* Cost: \$120 per person

Meeting at a Glance

Friday, April 21

- 6:00 a.m. - 1:00 p.m. **Registration**
Magnolia Foyer
- 6:00 a.m. - 1:00 p.m. **Speaker Ready Room**
Conference 3
- 6:30 a.m. - 8:00 a.m. **Instructional Courses**
IC III – Upper Extremity Surgery
IC IV – Ankle/Foot Trauma
- 7:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**
- 8:00 a.m. - 10:30 a.m. **Plenary Session**
- 8:00 a.m. - 3:00 p.m. **Career Center**
- 8:30 a.m. - 10:30 a.m. **Spouse/Guest Hospitality**
Live Oak
- 10:30 a.m. - 11:00 a.m. **Poster Viewing**
- 11:00 a.m. - 1:00 p.m. **Breakout Sessions**
- 1:30 p.m. **MAOA Golf Tournament**
Ocean Links Golf Course
- 2:00 p.m. **MAOA Tennis Tournament**
Racquet Park
- 2:00 p.m. - 4:00 p.m. **OPTIONAL TOUR:**
Marsh Kayaking
- 6:30 p.m. - 7:30 p.m. **Steel Lecture**
- 7:30 p.m. - 10:00 p.m. **Friday Night Dinner**
Magnolia Garden

Saturday, April 22

- 6:00 a.m. - 1:30 p.m. **Registration**
Magnolia Foyer
- 6:00 a.m. - 1:30 p.m. **Speaker Ready Room**
Conference 3
- 6:30 a.m. - 12:30 p.m. **Exhibits/Posters Open**
- 7:00 a.m. - 10:00 a.m. **Plenary Session**
- 8:00 a.m. - 3:00 p.m. **Career Center**
- 8:30 a.m. - 9:30 a.m. **Quiz Bowl**
- 10:00 a.m. - 10:05 a.m. **Second Business Meeting**
- 10:30 a.m. - 1:30 p.m. **Breakout Sessions**
- 1:30 p.m. **Board of Directors' Meeting**
- 2:00 p.m. - 4:00 p.m. **OPTIONAL TOUR:**
Amelia Island River Cruise
- 2:00 p.m. - 6:00 p.m. **OPTIONAL TOUR:**
Backwater Fishing Charter
- Dinner at Leisure**

Sunday, April 23

Departures

Saturday, April 22 Optional Activities

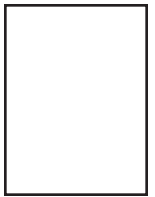
Registration for the following social activities can be done via the MAOA web site www.maoa.org when registering for the meeting

- 2:00 p.m. Amelia Island River Cruise**
Enjoy a professionally narrated cruise along the salt marshes, wilderness beaches, and historic river banks of Amelia Island. Dolphins, sea turtles, egrets, herons, spoonbills, and osprey meld with shrimp boats, luxury yachts, and even a Civil War era fort. *Approximately 2½ hours (including transportation) Cost: \$85 per person*
- 2:00 p.m. Backwater Fishing Charter**
Truly one of the best fishing opportunities on Amelia Island, backwater fishing is possible because of the numerous saltwater estuaries, flats, and inlets, all offering a wide variety of light-tackle catching. Redfish, flounder, sea trout, and tarpon are just a few of the species caught from the waters of the Nassau Sound, creek openings, and the St. Mary's River. *Approximately 4 hours (including transportation) Cost: \$235 per person*



MID-AMERICA ORTHOPAEDIC ASSOCIATION

300 Third Avenue, S.E.
Suite 405
Rochester, MN 55904



APRIL 19-23, 2017 Omni Amelia Island Plantation | Amelia Island, Florida

35TH
ANNUAL MEETING



MID-AMERICA ORTHOPAEDIC ASSOCIATION

www.maoa.org

FUTURE MEETINGS MARK YOUR CALENDARS

April 18-22, 2018

Hyatt Regency Hill Country Resort
San Antonio, Texas

April 10-14, 2019

Hilton Sandestin Beach Golf Resort & Spa
Miramar Beach, Florida