

WORKSHOP A JANUARY 3

Troubleshooting Golf Course Irrigation Systems

Jim Held and John Modglin, Automatic Supply

9:00 am – 12:00 pm

Learn how to logically go about solving irrigation problems. Regardless of the make and models of your irrigation equipment, this session will help guide you through electrical troubleshooting and troubleshooting symptomatic problems with golf sprinklers/rotors. This will be a hands-on learning opportunity. *This workshop is held at Automatic Supply, 116 Shadowlawn Drive, Fishers, IN 46038. Workshop registrants will pick up their name badges at the workshop. Limit 30 people.*

WORKSHOP D JANUARY 3 & 4

ICPI Concrete Paver Installer Course

Jesse James and Rick Bischoff, Techo-Bloc

January 3: 9:00 am – 5:00 pm

January 4: 8:00 am – 5:00 pm

The two-day course equips individuals currently employed in the concrete paver installer industry with training and tools to properly install interlocking concrete paving systems. In addition, participants have the opportunity to pursue certification at the end of the workshop, as well as potential industry recognition in the future.

WORKSHOP G JANUARY 3

Stepping into a Leadership Role (Assistant Turf Managers only)

Ryan Cummings, Elcona Country Club &

Aaron Patton, Purdue University

1:00 – 4:00 pm / CCH = 3b:1.0, RT:1.0

Workshop provides valuable tools for your current or future golf course. You'll learn how to:

- Track budgets, justify expenditures, purchase products, and allocate labor
- Use data-driven decision tools to enhance your agronomic program
- Hire and mentor staff to build strong teams
- Utilize new technologies, social media, and web-based tools to inform decisions.

WORKSHOP J JANUARY 3

Indiana Accredited Horticulturist (IAH) Review and Exam

Jim Messmer, Vincennes University, retired

1:00 – 5:00 pm / CCH = 3a:1.0, RT:1.0

1:00 – 3:00 pm: IAH Review (additional fee)

3:00 – 5:00 pm: IAH Exam

As an educator and experienced IAH facilitator, Jim will aid you in preparing for the afternoon exam. There will be ample time for questions and individual attention. The review is also a great refresher for those already certified – earn IAH CEUs by attending.

Contact the INLA (800-443-7336) for program materials which are an additional fee.

WORKSHOP B JANUARY 3

Feeding Your Turf: Everything You Need to Know

Cale Bigelow and Kevin Jackson, Purdue University

9:00 am – 12:00 pm / CCH = 3b:3.0, RT:3.0

This workshop will cover everything you need to know to develop a site specific nutrient management program for any turf area (lawns, sports fields, golf turf). This will include all the aspects of soil testing, interpreting soil test results, defining expectations for a site and fertilizer product programming.

WORKSHOP E JANUARY 3

Bee Keeping 101

Krispn Given, Purdue University

9:00 am – 12:00 pm

This workshop will discuss what is needed to start beekeeping in the Midwest. The material will also address the challenges currently facing beekeepers in the United States, as well as some of the solutions. There will be equipment demonstrations with the participants. Current research at the Purdue University Bee Lab will be presented.

WORKSHOP H JANUARY 3

The Basics of Pond Management

Jonathan Ferris, Wayne County Extension Director

1:00 – 4:00 pm / CCH = 5:3.0, RT:3.0

While ponds can be an attractive addition to many landscapes, effectively managing them can be a difficult task. This workshop will focus on key concepts in pond management including proper siting of a new pond, fish stocking and management, aquatic plant management, and related wildlife issues. Participants will gain a basic understanding of pond ecology and will understand common pond problems and how to manage them.

WORKSHOP K JANUARY 4

Pesticide Applicator Training (CORE)

Fred Whitford, Office of Indiana State Chemist &

Drew Martin, and Leo Reed, Purdue University

8:00 am – 5:00 pm

Passing the CORE examination is the first step in becoming certified to apply pesticides in Indiana. Exam covers pesticide formulations, applicator safety, environmental protection, label comprehension and laws pertaining to pesticide use. This exam is required to become a registered technician (RT) or for anyone who applies restricted use pesticides on their own farm property (PARP).

All registrations handled through The Extension Store, 765-494-6794. Registration: \$60. Training manual: \$30.

WORKSHOP C JANUARY 3

Developing Effective Weed Control Programs

Aaron Patton, Purdue University

9:00 am – 12:00 pm / CCH = 3b:3.0, 6:3.0, RT:3.0

A common question that I get is why didn't the herbicide work and kill the weed? This workshop will help you better understand how to answer that question for yourself and improve your weed control by better understanding herbicide activity. Proper application timing, herbicide mode of action, surfactants, formulations, spray volume, antagonism, and much more will be discussed. Participants will receive a copy of the newly revised 2017 edition of "Turfgrass Weed Control for Professionals."

WORKSHOP F JANUARY 3

Starting Off On The Right Foot: Tree Installation and Bed Preparation for Professionals

Kyle Daniel and Lindsey Purcell, Purdue University

9:00 am – 12:00 pm / CCH = 3a:3.0, RT:3.0

This interactive workshop will discuss and demonstrate the proper methods to prepare a tree for planting, methods for preventing root deformations, proper planting, and pruning based on current research. Also covers: bed preparation, mulching, weed control, and irrigation. Participants receive take home materials from Purdue Extension Specialists.

WORKSHOP I JANUARY 3

Pollinator Conservation in Urban Landscapes

Cliff Sadof, Doug Richmond, and Mindy Appold,

Purdue University

1:00 – 4:00 pm

A look at the practice of pollinator conservation with emphasis on biological principles and design elements suitable for urban greenspaces. The workshop will provide hands-on exposure to pollinator diversity, explore issues surrounding pollinator conservation and provide guidance for incorporating pollinator-friendly spaces into urban landscapes.

WORKSHOP L JANUARY 5

Basic Turf Training

Quincy Law, Geoff Schortgen, and Glenn Hardebeck,

Purdue University

9:00 am – 3:00 pm / CCH = 3b:5.0, RT:4.0

A workshop designed for beginners in turf or for more experienced professionals who want a review on the basic foundations of turfgrass management. This workshop will cover the basics on plant growth, turfgrass establishment and cultural practices in the morning, and pest management and pesticide safety in the afternoon. A great workshop for the whole staff!

Tuesday, January 3

Golf Track – Growing Great Fairways: Lessons Learned

1:00 – 2:00 pm

What's the Best Fairway Grass for My Golf Course?

Cale Bigelow, Purdue University

CCH= 3b:1.0, RT:1.0

2:00 – 2:30 pm

Useful Steps Towards Growing High Quality Fairways

Jim Hess, Meridian Hills Country Club

CCH= 3b:0.5, RT:0.5

2:30 – 3:00 pm

Challenges and Opportunities for Fairway Maintenance in Southern Indiana

Anthony Robertson, Indiana University Golf Course

CCH= 3b:0.5, RT:0.5

3:00 – 3:30 pm

Fairway Maintenance and Renovation at PVCC

Steve Mueller, Pine Valley Country Club

CCH= 3b:0.5, RT:0.5

3:30 – 4:00 pm

Q&A Session with Panelists

WEDNESDAY'S SPECIAL EVENTS

Workshop K: Pesticide Applicator Training (CORE)

8:00 am – 5:00 pm

INLA Scholarship Silent Auction

10:00 am – 5:00 pm, Trade Show Floor

5th Annual Landscape Challenge

10:30 am – 2:30 pm, Trade Show Floor

MRTF Annual Meeting + Awards Ceremony

5:00 – 7:00 pm, Westin Hotel

Join us for the presentation of scholarship and the 2016 Green Awards. We will honor David George with the 2016 MRTF Distinguished Service Award.



David George

INLA Annual Meeting + Awards Reception

5:00 – 7:00 pm, Convention Center

Features landscape and special achievement awards. A don't miss event for INLA members! Landscape Challenge Winner announced PLUS an auction of challenge product.

**TRADE SHOW OPEN
10 AM - 5 PM**

Wednesday January 4	LAWN CARE	GOLF Disease Management	SPORTS TURF	PLANT MATERIAL	INSTALLATION MAINTENANCE	BUSINESS, MARKETING	VEGETATION MANAGEMENT	LANDSCAPE DESIGN	SPANISH SESSION
8:00–8:30 am									Qué hace a mi empresa ser única? Estrategias de diferenciación de clientes
8:30–9:00 am	INDIANA GREEN EXPO OPENING SESSION Trade Show Open 10 am - 5 pm	Welcome to the Indiana Green Expo							
9:00–9:30 am		Are You Prepared for a Truck Accident? <i>Fred Whitford, Purdue University</i> CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0							La Seguridad Personal; Creando los Buenos Hábitos más Claves
9:30–10:00 am		Will the Real Green Industry Please Stand Up? <i>Charlie Hall, Texas A&M University</i>							Diagnósticos de Las Plantas y Problemas de Los Frenos
10:00–10:30 am									Diagnósticos de Las Plantas y Problemas de Los Frenos
10:30–11:00 am									Diagnósticos de Las Plantas y Problemas de Los Frenos
11:00–11:30 am									
11:30 am–12 pm									
12:00–12:30 pm	LUNCH ON THE TRADE SHOW FLOOR \$15 Pre-purchased /\$20 at show • Add tickets to your registration!								
12:30–1:00 pm									
1:00–1:30 pm	2017 Update on Hard Water Antagonism	2016 Turf Disease Review	Lessons Learned: Growing Bermudagrass in Ross-Ade Stadium	An Appreciation of Bark	Planting and Maintaining Landscape Beds	Sell More, Sell More Easily	Why Sight Assessment Is Important for Herbicide Stewardship	Native Plants in the Formal Landscape	Ganando la Confianza de Clientes Difíciles
1:30–2:00 pm									
2:00–2:30 pm	2017 Weed & Herbicide Update	Wetting Agents – Influence on Summer Turf Health	White Grub Control	Planting Native Plants to Benefit Bees	When to Use Oil and Soap in Your Pest Management Program	Marketing: Inside and Out	Tackling Kudzu and Other Invasive Species	Designing for Small Spaces	Como Crecer como Líder en Nuestra Industria
2:30–3:00 pm	MRTF Award		MRTF Award						
3:00–3:30 pm	Lawn Insect Pests of 2016	Fertility Approaches for Disease Management	Weather and Your Turf	European Gardens: Of Balustrades, Borders, Brown, Bedding, and Beyond	21st Century Drainage	Marketing: Inside and Out	Controlling Unwanted Vegetation in Municipal Environs	What You Need to Know About Rain Gardens	
3:30–4:00 pm									
4:00–4:30 pm		MRTF Award			Pruning and Training Trees to Improve Crown Structure	Getting to a Resolution and Getting the Best Out of Conflict	Make Liquid and Dry Products Measure Up		
4:30–5:00 pm		Modern Fungicides Factors Affecting Performance							
5:00–7:00 pm	MRTF Annual Meeting + Award Ceremony, Westin Hotel / INLA Annual Meeting + Award Reception, Convention Center Landscape Challenge winner announced and auction of Challenge products.								

OPENING SESSION8:30 – 9:00 am **Welcome to the Indiana Green Expo***Aaron Patton, Purdue University; Greg Lovell, MRTF; Brian Julius, INLA; and Kyle Daniel, Purdue University*9:00 – 10:00 am **Are You Prepared for a Truck Accident?***Fred Whitford, Purdue University • CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0*
Learn how lawyers and the courts work when it comes to highway accidents. More importantly, you will learn why keeping the trucks and trailers repaired and maintaining records is so important in protecting you and your assets.10:00 – 11:00 am **Will the Real Green Industry Please Stand Up?***Charlie Hall, Texas A&M University*

In spite of all of the uncertainty in the marketplace, there are still pockets of opportunity to capitalize on. Join Charlie in this session as he dissects the entire green industry to unveil the opportunities (and challenges) ahead.

Lawn Care Track

1:00 – 2:00 pm

2017 Update on Hard Water Antagonism*Geoff Schortgen, Purdue University*

CCH= 3b:1.0, 6:1.0, RT:1.0

2:00 – 2:45 pm

2017 Weed and Herbicide Update*Aaron Patton, Purdue University*

CCH= 3b:0.75, 6:0.75, RT:0.75

2:45 – 3:00 pm

Presentation of the MRTF Green Award*Randy Brehmer, Midwest Regional Turf Foundation*

3:00 – 4:00 pm

Lawn Insect Pests of 2016*Doug Richmond, Purdue University • CCH= 3b:1.0, RT:1.0***Golf Track – Disease Management**

1:00 – 2:00 pm

2016 Turf Disease Review*Rick Latin, Purdue University • CCH= 3b:1.0, RT:1.0*

2:00 – 3:00 pm

Wetting Agents and Their Influence on Summer Turf Health*Doug Karcher, University of Arkansas*

CCH= 3b:1.0, RT:1.0

3:00 – 4:00 pm

Fertility Approaches for Disease Management*Paul Koch, University of Wisconsin-Madison*

CCH= 3b:1.0, RT:1.0

4:00 – 4:15 pm

Presentation of the MRTF Green Award*Randy Brehmer, Midwest Regional Turf Foundation*

4:15 – 5:00 pm

Modern Fungicides and Factors that Affect Their Performance*Rick Latin, Purdue University • CCH= 3b:0.75, RT:0.75***Plant Materials Track**

1:00 – 2:00 pm

An Appreciation of Bark*Rosie Lerner, Purdue University*

2:00 – 3:00 pm

Planting Native Plants to Benefit Bees*Mark O'Brien, Cardno • CCH= 3a:1.0, RT:1.0*

3:00 – 4:00 pm

European Gardens: Of Balustrades, Borders, Brown, Bedding, and Beyond*Mike Dana, Purdue University***Sports Turf Track**

1:00 – 2:00 pm

Lessons Learned: 11 Years Growing Bermudagrass in Ross-Ade Stadium*Brian Bornino, Purdue University Athletics*

2:00 – 2:45 pm

White Grub Control: Agronomic, Political, and Economic Considerations*Doug Richmond, Purdue University*

CCH= 3b:0.75, RT:0.75

2:45 – 3:00 pm

Presentation of the MRTF Green Award*Randy Brehmer, Midwest Regional Turf Foundation*

3:00 – 4:00 pm

Weather and Your Turf*Michael Clark, BAM***Vegetation Management Track**

1:00 – 2:00 pm

Why Sight Assessment Is Important for Herbicide Stewardship*Randy Denhart, Bayer Crop Science*

2:00 – 3:00 pm

Tackling Kudzu and Other Invasive Species*Ken Cote, Indiana Department of Natural Resources*

3:00 – 4:00 pm

Controlling Unwanted Vegetation in Municipal Environments*Randy Denhart, Bayer Crop Science*

4:00 – 5:00 pm

Make Liquid and Dry Products Measure Up*Fred Whitford, Purdue University*

CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0

Business and Marketing Track

11:00 am – 12 pm

Building Your Business by Building Your Latino Workforce*National Hispanic Landscape Alliance*

1:00 – 2:00 pm

Sell More, Sell More Easily*Shad Tidler, Lushin, Inc.*

2:00 – 3:00 pm

Marketing: Inside and Out*Jack Klemeyer, Grow Your Business Coaching*

3:00 – 4:00 pm

Marketing: Inside and Out*Jack Klemeyer, Grow Your Business Coaching*

4:00 – 5:00 pm

Getting to a Resolution & Getting the Best Out of Conflict*Maria Marshall, Purdue University***Installation/Maintenance Track**

1:00 – 2:00 pm

Planting and Maintaining Landscape Beds*George Brenn, Four Seasons Landscaping Nursery*

CCH= 3a:1.0, RT:1.0

2:00 – 3:00 pm

When to Use Oil and Soap in Your Pest Management Program*Cliff Sadoff, Purdue University • CCH= 2:1.0, 3a:1.0, RT:1.0*

3:00 – 4:00 pm

21st Century Drainage*Terry Noriega, Drainage Solutions, Inc.*

4:00 – 5:00 pm

Pruning and Training Trees to Improve Crown Structure*Jason Miesbauer, The Morton Arboretum*

CCH= 2:1.0, 3a:1.0, RT:1.0

Spanish Track

8:00 – 9:00 am

Qué hace a mi empresa ser única? Estrategias de diferenciación de clientes / What makes my company to be unique? Customer differentiation strategies*Ariana Torres, Purdue University*

9:00 – 10:00 am

La Seguridad Personal; Creando los Buenos Hábitos más Claves / Protecting Yourself and Your Team; Creating a Culture that values Safety*National Hispanic Landscape Alliance*

10:00 – 11:00 am

Diagnosticos de Las Plantas y Problemas de Los Frenos / Diagnostics of Plants and Problems with Ash*Cliff Sadoff, Purdue University*

CCH= 2:1.0, 3a:1.0, RT:1.0

11:00 am – 12:00 pm

Diagnosticos de Las Plantas y Problemas de Los Frenos / Diagnostics of Plants and Problems with Ash*Cliff Sadoff, Purdue University*

CCH= 2:1.0, 3a:1.0, RT:1.0

12:00 – 1:00 pm Lunch

1:00 – 2:00 pm

Ganando la Confianza de Clientes Dificiles /**Winning over Challenging Customers**
National Hispanic Landscape Alliance

2:00 – 3:00 pm

Como Crecer como Líder en Nuestra Industria /**Keys to Growing as a Leader in Our Industry**
*National Hispanic Landscape Alliance***Landscape Design Track**

1:00 – 2:00 pm

Native Plants in the Formal Landscape*Mark O'Brien, Cardno*

2:00 – 3:00 pm

Designing for Small Spaces*Wayne Gruber, Niemeyer's Landscape Supply*

3:00 – 4:00 pm

What You Need to Know About Rain Gardens*John Orick and Rosie Lerner, Purdue University*

THURSDAY'S SPECIAL EVENTS

Workshop L: Basic Turf Training

9:00 am – 3:00 pm

Quincy Law, Geoff Schortgen, and Glenn Hardebeck, Purdue University

Trade Show Open: 9:00 am – 1:00 pm

Refreshments available in the IGE trade show lounge!

Lawn Care Track

8:00 – 8:45 am

Turf Doesn't Have to Be a 4-Letter Word

Mike Goatley, Virginia Tech • CCH= 3b:0.75, RT:0.75

8:45 – 9:30 am

The Art of Communication

Dean Graves, Chevy Chase Club

9:30 – 10:00 am Break

10:00 – 11:00 am

Identification and Management of Turfgrass Rusts

Paul Koch, University of Wisconsin-Madison
CCH= 3b:1.0, RT:1.0

11:00 am – 12:00 pm

Update from the Indiana State Chemist's Office

Joe Becovitz, Office of the Indiana State Chemist
CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0

12:00 - 1:00 pm Lunch

1:00 – 2:00 pm

Summer 2016: Lessons Learned from Our Lawn Grasses

Cale Bigelow, Purdue University • CCH= 3b:1.0, RT:1.0

2:00 – 3:00 pm

When Ornamental Grasses Aren't Ornamental

Tom Voigt, University of Illinois
CCH= 3b:1.0, 6:1.0, RT:1.0

3:00 – 4:00 pm

Opportunities and Challenges of Turf in the Gardens

Steve Scott, Minnetrista • CCH= 3b:1.0, RT:1.0

Golf Track

8:00 – 9:00 am

Selecting the Right Grasses for Native Areas

Tom Voigt, University of Illinois • CCH= 3b:1.0, RT:1.0

9:00 – 10:00 am

Hiring, Training and Keeping Good Personnel

Gene White, Rentokil North America

10:00 – 11:00 am

Truer Putts and Better Lies

Doug Karcher, University of Arkansas
CCH= 3b:1.0, RT:1.0

11:00 am – 12:00 pm

2016 Year in Review

Zach Nicoludis, United States Golf Association
CCH= 3b:1.0, RT:1.0

Northern Golf Track

1:00 – 2:00 pm

Snow Mold Control: What Works and Why the Heck Didn't It Work at My Course?

Paul Koch, University of Wisconsin-Madison
CCH= 3b:1.0, RT:1.0

2:00 – 3:00 pm

Appreciation: The Key to Success

Dean Graves, Chevy Chase Club

3:00 – 4:00 pm

Understanding the Physiological Mechanisms of Stress Tolerance

Yiwei Jiang, Purdue University • CCH= 3b:1.0, RT:1.0

Southern Golf Track

1:00 – 2:00 pm

Useful Applications of Technology for the Golf Course Superintendent

Pat O'Brien, Hyde Park Golf and Country Club
CCH= 3b:1.0, RT:1.0

2:00 – 3:00 pm

Zoysiagrass Improvement Research Update

Aaron Patton, Purdue University • CCH= 3b:1.0, RT:1.0

3:00 – 4:00 pm

Ins and Outs of Tournament Volunteering

Pat O'Brien, Hyde Park Golf and Country Club

Sports Turf Track

8:00 – 9:00 am

Managing Soil Moisture in Athletic Fields

Doug Karcher, University of Arkansas
CCH= 3b:1.0, RT:1.0

9:00 – 10:00 am

Professional Development: Necessary Steps in Your Career Advancement

James Bergdoll, City of Chattanooga

10:00 – 11:00 am

The "Dirt" on Sports Fields

Mike Goatley, Virginia Tech • CCH= 3b:1.0, RT:1.0

11:00 am – 1:00 pm Break / Lunch

1:00 – 2:00 pm

Going Green in Sports Turf Management

Mike Goatley, Virginia Tech • CCH= 3b:1.0, RT:1.0

2:00 – 3:00 pm

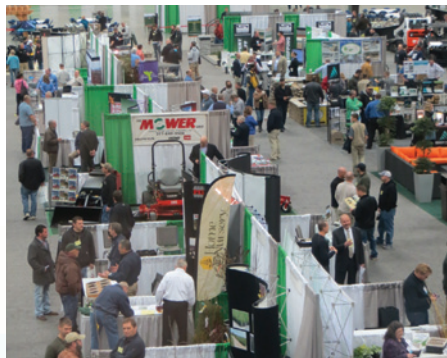
2016 Season Review, Renovation, and Winter Classic

Justin Scott, St. Louis Cardinals

3:00 – 4:00 pm

Update from the Indiana State Chemist's Office

Joe Becovitz, Office of the Indiana State Chemist
CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0



Plant Materials Track

8:00 – 9:00 am

Plant Breeding and Research Innovation at Longwood Gardens • Peter Zale, Longwood Gardens

9:00 – 10:00 am Break

10:00 – 11:00 am

Selecting Ornamental Grasses for the Landscape

Tom Voigt, University of Illinois

11:00 am – 12:00 pm

Urban Tree Selection in a Changing Climate

Bert Craig, Michigan State University
CCH= 2:1.0, 3a:1.0, RT:1.0

12:00 - 1:00 pm Lunch

1:00 – 2:00 pm

New and Exciting Perennials

Brian Aaron, Walter's Gardens

2:00 – 3:00 pm

Native Plants: Three Case Studies of Modern Plant Exploration

Peter Zale, Longwood Gardens

3:00 – 4:00 pm

Conifers for Midwestern Landscapes

Bert Craig, Michigan State University

Installation/Maintenance

9:00 – 10:00 am

Getting to the Root of Problem

Janna Beckerman, Purdue University
CCH= 2:1.0, 3a:1.0, RT:1.0

10:00 – 11:00 am

Anatomy of a Tree Conflict for Landscape

Professionals • Jud Scott, Vine and Branch Consulting
CCH= 2:1.0, 3a:1.0, RT:1.0

11:00 am – 12:00 pm

Factors Involved in Maximizing Herbicide

Performance • Steve Weller, Purdue University
CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0

12:00 - 1:00 pm Lunch

1:00 – 2:00 pm

Control of Landscape Weeds: An IPM Approach

Kyle Daniel, Purdue University • CCH= 3a:1.0, RT:1.0

2:00 – 3:00 pm

Update from the Indiana State Chemist's Office

Joe Becovitz, Office of the Indiana State Chemist
CCH= 2:1.0, 3a:1.0, 3b:1.0, 5:1.0, 6:1.0, 7:1.0, RT:1.0

3:00 – 4:00 pm

What Do Trees Think of Pruning?

Lindsey Purcell, Purdue University
CCH= 2:1.0, 3a:1.0, RT:1.0

Business and Marketing Track

8:00 – 9:00 am

Getting to A Resolution and Getting the Best Out of Conflict • Maria Marshall, Purdue University

9:00 – 10:00 am

How We Use Social Media in Our Business: A Panel Discussion

Dawn Rigby, Advanced Turf Solutions

10:00 – 11:00 am

Risk Management for Small Businesses

Maria Marshall, Purdue University

11:00 am – 12 pm

Building Your Business by Building Your Latino Workforce • National Hispanic Landscape Alliance

