



MAY 19-22, 2019



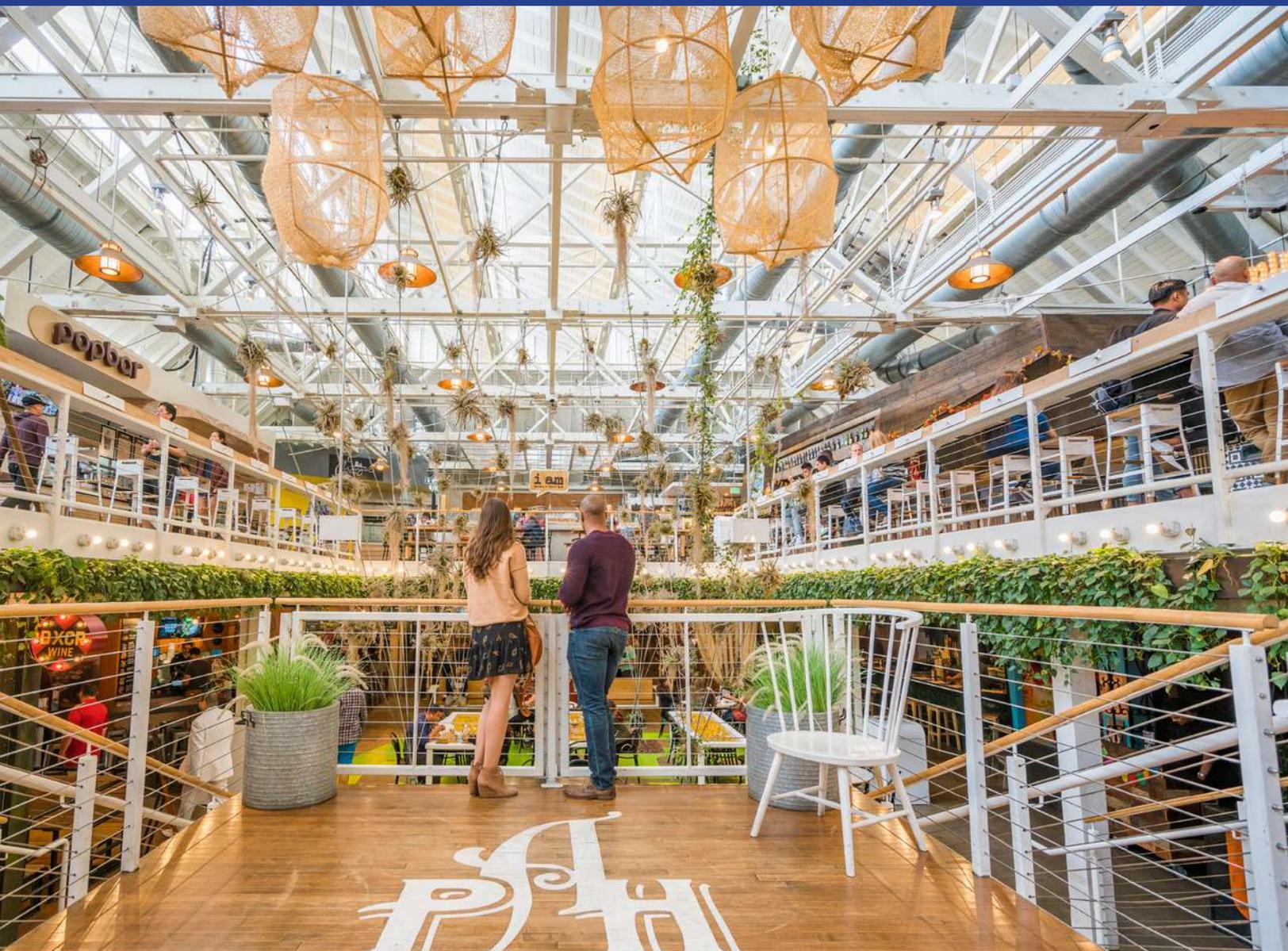
# ADVANCE PROGRAM



**COMMON**

# Visit Anaheim!

Located between Los Angeles and San Diego, Anaheim is best known as the home to the Disneyland® Resort, but this premier leisure and business destination also offers celebrated restaurants, award-winning local craft breweries, fantastic shops, two pro sports teams, cultural museums, top entertainment, and unlimited outdoor recreation. Your adventure is just beginning. Experience Anaheim.



# Experience the Magic of Education.

Attend **POWERUp 2019** to deepen your insight into critical IT topics. Learn new skills to help you get ahead in your career.

Join **COMMON** for its largest event of the year in beautiful, sunny Anaheim. With over 300 powerful educational sessions, unlimited networking opportunities, and an expo area featuring the latest products and solutions, **POWERUp™** delivers an unforgettable – and invaluable – experience.



**REGISTER BY  
APRIL 26**  
for Early Bird Savings

## Table of Contents

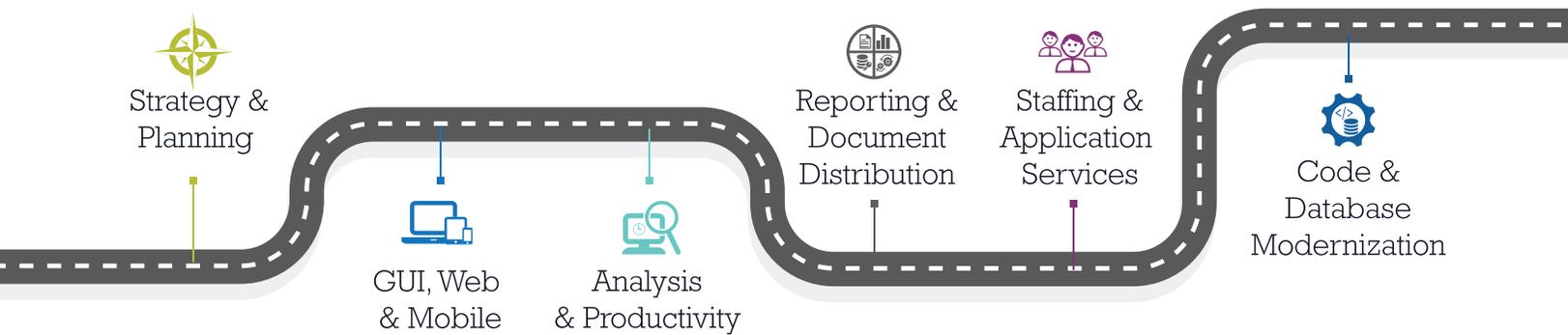
- Conference at a Glance .....5
- Preconference Workshops and Labs.....6
- Sessions and Open Labs.....8
- Topic Groupings ..... 11
- IT Executive Conference ..... 12



Visit  
Fresche  
@ booth 203

# Take the Road to IBM i Application Modernization

Drive business and IT forward with innovative, modern solutions that allow you to take advantage of web, mobile, open source, AI *and more*.



## Countless Options, Endless Opportunity

The Fresche team of IBM i application modernization experts is here for you and ready to talk strategy, planning, solutions, options, ideas or challenges.

### Speak with Our IBM i Experts on Key Topics



#### AI & Digital Transformation

**Brendan Kay**, CTO, Software Products  
23 years in the IBM i industry



#### IT Strategy, Open Source Development

**Mike Pavlak**, IT Strategist  
27 years in the IBM i industry



#### GUI, Web & Mobile Development

**Greg Patterson**, Senior Sales Engineer  
11 years in the IBM i industry



#### Code & Database Conversion, IBM i Strategy, Planning & Roadmap

**Chris Koppe**, SVP Transformation & Modernization Services  
30 years in the IBM i industry



#### Impact Analysis, Field Resizing & Data Testing

**Ray Everhart**, Sr. IBM i Analyst, X-Analysis Product Manager  
30 years in the IBM i industry

**FRESCHESOLUTIONS**

Our flagship solutions include:

**X-Analysis, Newlook, Presto, WebSmart, Formtastic**

Learn more at [freschesolutions.com](http://freschesolutions.com) or call us at **1 (800) 361-6782 Ext. 8900**

TMs mentioned are those of FRESCHES or of their respective owners. © MMXIX, FRESCHES



# Conference at a Glance

## **SATURDAY** May 18

- 8:00 a.m. – 11:30 p.m. Half-day Workshop
- 12:30 p.m. – 4:00 p.m. Half-day Workshop
- 6:00 p.m. – 7:30 p.m. POWER Session for First-Time Attendees

## **SUNDAY** May 19

- 6:30 a.m. – 7:30 a.m. POWER Run/Walk
- 8:30 a.m. – 10:00 a.m. Opening Session
- 10:15 a.m. – 11:15 a.m. Sessions
- 11:30 a.m. – 12:30 p.m. POWER Panels
- 1:30 p.m. – 6:15 p.m. Sessions
- 5:00 p.m. – 8:00 p.m. Welcome Reception

## **MONDAY** May 20

- 8:00 a.m. – 11:15 a.m. Sessions
- 11:30 a.m. – 12:30 p.m. POWER Panels
- 10:30 p.m. – 1:30 p.m. Lunch & Expo Open
- 1:30 p.m. – 2:30 p.m. Keynote Presentation
- 2:30 p.m. – 6:15 p.m. Sessions
- 6:30 p.m. - 8:30 p.m. All Attendee Reception

## **TUESDAY** May 21

- 8:00 a.m. – 11:30 a.m. Sessions
- 10:30 a.m. – 1:30 p.m. Lunch & Expo Open
- 1:30 a.m. – 2:30 p.m. Keynote Presentation
- 2:45 p.m. – 6:15 p.m. Sessions
- Free Evening to Explore the Area*

## **WEDNESDAY** May 22

- 8:00 a.m. – 11:30 a.m. Sessions
- 1:30 p.m. – 6:15 p.m. Sessions
- 6:30 p.m. – 10:00 p.m. CEF Closing Reception in Disney California Adventure Park



# Insightful. Valuable. Relevant.



These are just a few of the words used by attendees to describe their conference educational experiences. Attend **POWERUp 2019** to experience it for yourself.

Over the next few pages, you will find some of the educational options offered at **POWERUp 2019**. This May, you have the flexibility to create a schedule that meets your unique needs.



*COMMON* conferences are well planned and organized. There is always state-of-the-art information from world-class experts. The *COMMON* staff is courteous and positive, despite the long, hard hours they invest to support us. This is a golden opportunity that should not be missed!

– George, 2018 Attendee

*I've learned a lot and gained a new enthusiasm for IBM i at POWERUp. We have a wonderful community and I'm excited to be a part of it. I can't wait to come back next year to see all of the new friends I've made. Be sure to bring your interns!*

– Katelyn, 2018 Attendee



Arrive in Anaheim a day early for a deep dive into a new topic.  
Add a Preconference Workshop or Lab to your schedule.



## Morning Workshops

8:00 a.m - 11:30 a.m.

### Strategic IT: Partnering with the Business and Communicating for Success

*Steve Wolk*

Business communication is a basic requirement for professional success. That can be intimidating for many, taking them far outside of their comfort zones. This is an interactive workshop to encourage you to find your voice, partner with your business, and communicate for success!

### Managing Your IBM i with SQL – Made Easy!

*Scott Forstie*

SQL is for more than just doing database things. With the invention of IBM i Services, there are many options for accessing your IBM i. This workshop will explore the many already existing examples shipped in Access Client Solutions.

## Morning Lab

8:00 a.m - 11:30 a.m.

### Hands on Python Workshop for IBM i

*Mike Pavlak*

Get your hands dirty handling one of the hottest languages in the IBM i space: Python! Exploring an introductory level, this workshop will give you a chance to play directly with Python as it interacts with Db2 and other native IBM i resources.

## Afternoon Workshops

12:30 p.m. - 4:00 p.m.

### SQL Programming

*Birgitta Hauser*

SQL is much more than a query language. Besides querying and manipulating data in database objects and generating those database objects, SQL also provides all kinds of commands and constructs, for writing and executing programs. The SQL Programming Language, Stored Procedures, Triggers and User Defined (Table) Functions can be written, without knowing anything else than SQL commands!

### IBM i Performance Tasks

*Dawn May*

This interactive workshop reviews the Performance tasks in Navigator for i, with an emphasis on the Performance Data Investigator. During this workshop, you will learn the following: How to use Investigate Data to review Collection Services data; How to create customized performance data reports; How to create and review historical data; How to use the Batch Model tool; Basic system monitoring.

## Afternoon Lab

12:30 p.m. - 4:00 p.m.

### Node.js Lab

Description Pending.

## Workshops

\$229 each/Member

\$259 each/Nonmember

## Labs

\$299 each/Member

\$349 each/Nonmember



Full Workshop and Lab descriptions are available at [www.common.org/sessions](http://www.common.org/sessions)



To view all sessions and open labs, visit  
[www.common.org/sessions](http://www.common.org/sessions)

## Sessions and open labs are **organized into these topics:**

- ✦ Application Development
- ✦ Client Connectivity
- ✦ Database
- ✦ Developing Business Skills
- ✦ Hardware
- ✦ High Availability Resilience
- ✦ IFS
- ✦ IT Leadership and Management
- ✦ IT Strategy
- ✦ Linux
- ✦ Lotus Collaboration
- ✦ Middleware
- ✦ Mobile and Modernization
- ✦ Networking
- ✦ Open Source Languages
- ✦ Personal Development
- ✦ RPG
- ✦ Security
- ✦ Systems Management
- ✦ Virtualization
- ✦ Web Applications

Here are just some of the sessions you'll find at **POWERUp 2019**.



## ◆ Client Connectivity

### **Access Client Solutions Deployment Guide** *Wayne Bowers*

This session will walk through the tooling and capabilities available to deploy IBM i Access Client Solutions.

## ◆ Database

### **Dueling SQL** *Scott Forstie, Timothy Rowe*

Come to this session to have some fun and see the best of the best SQL has to offer. Let the match begin.

### **Get Running with the IBM .Net Data Provider and Db2 for i** *Rex Smith*

This session will hit the main steps required for using this .dll within a Visual Studio Community Edition web project

### **Reving Up SQL Performance with (Database) Indexes** *Rob Bestgen*

provide background on indexes, explains why they are so important, and gives you the knowledge to be more confident in defining and using them

### **MongoDB and What You Need to Know about NoSQL** *Kim Greene*

Learn the basics of MongoDB along with the benefits and applications of unstructured data in business

## ◆ Hardware

### **POWER9 and IBM i: Install, Upgrade, and Backup using USB** *Robert Schuster*

Live demonstration of installing IBM i (7.2 TR8 and/or 7.3 TR4 and later) from a USB key will be shown and the process to create the key.

## ◆ IT Leadership and Management

### **IBM i in Business Around the World**

*Alison Butterill, Steve Will*

Discovers companies around the world doing great things with IBM i and the value these technologies bring to business

## ◆ Mobile and Modernization

### **Mobile to GO – Overview of the Latest Mobile Technologies on IBM i** *Timothy Rowe*

Employees want access to the system while on the go – explore the IBM i solutions that can make it happen

## ◆ Open Source Languages

### **Business Value of Open Source and IBM i** – *Mike Pavlak*

Come explore TCO of Open Source and the best implementation of these technologies

### **The World of Node.js on IBM i** *Scott Klement*

Everyone seems interested in getting started with this language today, and it may very well represent the future of Application Development on IBM i

### **Python & Db2 Say Their "i Dos"** – *Joshua Hall*

Come to this talk to find out what all the excitement for Python is about

### **IBM i Meets IoT** – *Michael Dawson, Jesse Gorzinski*

Gain an understanding of MQTT and its key characteristics and learn how to use it to connect devices to your applications

## ◆ RPG

### **What's The Fuss? -Using Procedures and Service Programs** – *Jim Buck*

Understand the advantages to using modern techniques in your RPG programs

### **A Nerd's Guide to DATA-INTO in RPG** – *Scott Klement*

Discover the basics of using DATA-INTO with an existing parser and then, how to write your own parser

## ◆ Security

### **Does your IBM i Security Meet the Bar for GDPR?**

*Guy Marmorat, Jeff Uehling*

Concerned about GDPR compliance? This session provides a practical guide to creating a more secure, auditable IBM i configuration

## ◆ Systems Management

### **Manage Work Better with Better Work Management**

*Dawn May*

Utilize the latest enhancements in the work management area in the IBM i operating system

## ◆ Virtualization

### **Cloud Virtualization Planning and Best Practices**

*Larry Bolhuis*

How to best transition from traditional IBM Power deployment to a secure internally hosted private cloud

### **SAN Storage for Power Systems: Lessons from the Field**

*Kevin Mort*

Lessons from someone who has transitioned to SAN storage and lived to tell the tale

# Join in the panel discussions featuring subject-matter experts.

- ✦ Backup Recovery and High Availability
- ✦ Cognitive
- ✦ Future of IBM i
- ✦ Modernization
- ✦ Open Source
- ✦ Partnering for Success
- ✦ Security



## **COMMON** Certification

Communicate your skills and abilities to others with a professional certification. Exams will be offered daily at a special rate of \$99 each/Member, \$149 each/Nonmember

Associate AIX 7 Administration

Associate IBM i 7.1 Administration

Business Computing Associate (BCA)

Certified Application Developer - ILE RPG  
for IBM i on Power

Certified Associate Application Developer -  
ILE RPG Programmer

Certified Business Computing Professional  
(CBCP)



Not sure which sessions to attend?

Visit the **Online Session Guide** to find session groupings for these topics.

- ✦ Adapting to Change
- ✦ Administrator – Managing Client Access Solutions
- ✦ Backup Recovery and Media Services (BRMS)
- ✦ Beyond Db2 on i
- ✦ Cognitive
- ✦ Data Analytics
- ✦ Earning Influence
- ✦ End User – Using Client Access Solutions
- ✦ Focus on i
- ✦ Node.js Programming
- ✦ PHP Programming
- ✦ POWER Pick
- ✦ Project Management
- ✦ Python Programming
- ✦ SQL Programming

[www.common.org/sessions](http://www.common.org/sessions)

# Are you an IT leader looking for more?

Join us in Anaheim, California on May 19-22, for the IT Executive Conference. Spend time with your peers in exclusive sessions, exploring high-level topics that have a real impact on your business. Plus, take advantage of **POWERUp 2019** sessions that are targeted to the needs of IT decision makers.

To view all sessions, visit  
[www.common.org/itec](http://www.common.org/itec)



# IT Executive Conference Exclusive Topics

✦ IBM Executive Session

*Steve Sibley*

✦ The Challenges and Opportunities of Digital Transformation

*David Brault*

✦ Blockchain: Encrypt, Store, and Share Data in Distributed Environments

*Patrick Townsend*

✦ The Strategy Behind Open Source

*Jesse Gorzinski*

✦ AI and Watson In the Real-World

*Brendan Kay*

✦ CIO Survival Skills

*Alan Seiden*

✦ Thirty Years of Innovation and We're Just Getting Started

*Alison Butterill*

✦ Value of COMMON

*Pete Massiello*

✦ Cognitive

*Paul Zikopolous*

✦ Why i?

*Steve Will*

✦ Business Value of Staying Current

*IBM Speaker*

✦ Linux in the Enterprise

*Michael Hollinger*

✦ Show the i in your ROI

*Alan Seiden*

✦ Security Across the Enterprise

*Wesley McDuffie*



# Looking forward to **another 20 years!**

The COMMON Education Foundation (CEF) continues to celebrate our 20th anniversary as we look towards Anaheim! Over the last two decades, we've been able to provide over 300 scholarships to both students and educators, giving them access to the latest IT education from authorities in the industry. We are excited about what the next 20 years will bring, as we continue to add to our existing offerings. The last 20 years, and the next 20, are only made possible through continued participation from COMMON members, vendors and the overall community – your support is essential to our overall growth. Help us celebrate our 20th anniversary – join us at this year's POWERUp 2019! You can learn about our initiatives, and see first-hand how we continue to support the next generation of IT talent, and those that are teaching them the skills to have great careers in IT. You can also participate in the following CEF initiatives:

## Silent Auction

Bid on a wide variety of items donated from businesses, exhibitors, members, LUGs and our participating educators' schools. Past items have included tickets to sporting events and theme parks, consultation sessions, conference registrations and so much more.

## Raffles

Buy raffle tickets for opportunities to attend a future conference or extend your stay in a well-desired conference location.

## Merchandise Sales

Purchase CEF-branded merchandise, including items to commemorate our 20th anniversary, to bring home as souvenirs for yourself or others. There will be something for everyone.



# Engaging and educating a new generation of IT talent

## About the COMMON Education Foundation

The COMMON Education Foundation (CEF) is providing pathways to engage and educate a new generation of IT talent. The CEF works to nurture the development and growth of future IT professionals who will manage and support the computing systems of tomorrow.

To do so, we provide students and educators with opportunities that give them access to the latest IT education from authorities in the industry, as well as provide them with networking opportunities within a niche market to help them gain the information, knowledge and connections essential to a successful career.

**To learn more about CEF and our ongoing initiatives, go to [www.commoneducationfoundation.org](http://www.commoneducationfoundation.org)**





Get ready to party with us on May 22

# CEF Closing Reception

End your POWERUp experience with a night to remember at the CEF Closing Reception! You won't want to miss this exclusive event at Pixar Pier. Lively music and dancing, food and drinks, followed by access to the park to hop on some rides.

# POWER Run 5K

Support the COMMON Education Foundation and get some fresh air at the COMMON Cares 5K! Join either the walking or running groups as we circle the borders of Disney on May 19. Register today! All abilities are welcome. Join the group and start your **POWERUp 2019** experience on the right foot!



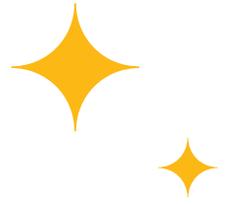
At the **POWERUp 2019** Expo, you'll be able to see the latest technologies and solutions available for Power Systems and IBM i. Explore the products that can make a difference for your company – all in one location.



**REGISTER BY  
APRIL 26**  
for Early Bird Savings

# Exhibiting Companies

As of March 7, 2019



- ◆ ARCAD Software, Inc.
- ◆ Avalara
- ◆ BCS Group LLC
- ◆ CNX Corporation
- ◆ Computer Keys
- ◆ Cybernetics
- ◆ DRV Technologies, Inc.
- ◆ Dynamic Solutions International, LLC
- ◆ Eradani LLC
- ◆ ETI-SPHiNX
- ◆ Fresche Solutions
- ◆ HelpSystems, LLC
- ◆ IBM Systems Media
- ◆ ICS Formsprint
- ◆ imPower Technologies, LLC
- ◆ Information Builders
- ◆ iTech Solutions Group
- ◆ Krengel Technology
- ◆ Kronos
- ◆ LANSA, Inc.
- ◆ Maxava
- ◆ Midrange Dynamics North America
- ◆ mindSHIFT Technologies
- ◆ New Generation Software, Inc.
- ◆ ProData
- ◆ Profound Logic Software
- ◆ Programmers.io
- ◆ PTC, Inc
- ◆ Raz-Lee Security Inc.
- ◆ Real Vision Software Inc.
- ◆ Remain Software, Inc.
- ◆ Rocket Software
- ◆ Rogue Wave Software
- ◆ Savvy Co LLC
- ◆ Silveredge Consulting
- ◆ SMA Solutions
- ◆ Software Engineering of America (SEA)
- ◆ Syncsort
- ◆ T.L. Ashford & Associates, Inc.
- ◆ TAA Tools Inc
- ◆ Trinity Guard
- ◆ Unicom Systems, Inc.





# Welcome to Anaheim

Our sun-splashed Southern California city is best known as the home to the Disneyland® Resort and the Anaheim Convention Center. Enjoy all that this premier leisure and business destination has to offer with world-famous theme parks and attractions, celebrated restaurants, award-winning local craft breweries, specialty shops, and unlimited outdoor recreation. Explore what's new downtown at the Anaheim Packing District and Center Street Promenade. There's a lot happening in and around Anaheim. Come and stay awhile, you'll be surprised and inspired.

A city of constant growth and innovation, there's never a shortage of things to see or experience in Anaheim. The Disneyland® Resort, featuring Disneyland® Park and Disney California Adventure® Park, strives to create a different experience for guests with every

visit. Brand-new attractions like the Guardians of the Galaxy—Mission: Breakout! thrill rides are among the much-anticipated enhancements debuting this year, with more exciting developments just over the horizon.

When it comes to food and drink, Anaheim has firmly cemented its reputation as a top culinary destination. The revitalized Packing District remains a leader in the food hall trend sweeping the nation, offering artisanal eats and well-composed cocktails. Anaheim also continues to provide the most diverse selection of craft beer to be found in Orange County.

Experience Anaheim like never before—it's an adventure you won't want to miss.

## Disney Hotels



POWERUp™ attendees have three great hotel options, all conveniently located in walking distance of the Disneyland® Resort Hotel where the conference will be held. Plus, COMMON has secured special nightly room rates for our guests.

Choose from one of the following hotels:

**Disneyland Hotel**  
\$209/night

**Disney's Grand Californian Hotel and Spa**  
\$233/night

**Disney's Paradise Pier Hotel**  
\$196/night



# Ready to **POWERUp™** Your Career? **Register now.**

For best rates, take these steps:

1. Become a **COMMON** Member.
2. Reserve your room at our host location, Disney Hotel.
3. Register for **POWERUp 2019** before April 26 for the Early Bird Special Rates.



|                         | COMMON Member                 |                             | Nonmember                     |                             |
|-------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|
|                         | Early Bird<br>(Until 4/26/19) | Standard<br>(After 4/26/19) | Early Bird<br>(Until 4/26/19) | Standard<br>(After 4/26/19) |
| Individual Registration | \$1,895                       | \$2,095                     | \$2,195                       | \$2,395                     |
| Group Registration      | \$1,685                       | \$1,885                     | -----                         | -----                       |
| One-day Registration    | \$680/day                     | \$680/day                   | \$730/day                     | \$730/day                   |
| Guest Registration      | \$395                         | \$395                       | \$445                         | \$445                       |

Note: Above registration rates are for those staying at the Disney Hotel in Anaheim. Proof of hotel reservation is required at time of conference registration. For those staying at a non-conference hotel, please visit [www.POWERUp 2019.com](http://www.POWERUp 2019.com) for registration rates.

## Group Registration

Group registration is available for seven or more individuals from the same Corporate Member company registering at the same time. Rate shown is per person.

## One-Day Registration

One-day registration is available and is only valid for the day for which it is purchased.

## Guest Registration

Guest registration includes the Opening Session, Expo (including lunch) and evening receptions only. Guests must accompany a paid attendee.

NOTE: online registration is not available for group registration. Registration by phone is required. Call us at 1.312.279.0192.



8770 W. Bryn Mawr Avenue  
Suite 1350  
Chicago, IL 60631



Register for **POWERUp 2019** Now  
Early Bird Rates End April 26