



TORRENT RESOURCES PRESENTS:  
**THE STORMWATER  
SPEAKER SERIES**

The Stormwater Speaker Series is intended to be a small, informal forum for discussing stormwater management in the southwest. With the goal of sharing relevant, timely, and useful information regarding stormwater, we hope to further the conversation about this most important topic. While the series is primarily intended for engineering professionals, it is really appropriate for anyone interested in stormwater and how it's managed.

## TORRENT RESOURCES

As the pioneers of the modern drywell, Torrent Resources has designed and installed more than 80,000 drywell systems throughout the southwest over the last 44 years. As a pre-treatment device, our MaxWell® system is excellent at removing a number of constituents contained in stormwater. As an infiltration device, our MaxWell® system deposits pre-treated stormwater into the vadose zone where it gets further polished as it migrates down to the aquifer below. Every MaxWell® system is fully maintainable and has a life span decades long...and counting.



### MARRIOTT RIVERSIDE

AT THE CONVENTION CENTER

3400 Market Street  
Riverside, CA 92501



### TUES. SEPTEMBER, 18<sup>TH</sup>

**NETWORKING HOUR** 10-11AM  
**PRESENTATIONS** 11AM - 2PM  
FREE ADMISSION



Speaker Series Introduction and Event Emcee

**JAMES MAYER**, M. ASCE

Torrent Resources | Vice President Market Development



**DAVID ALBUS**, PG, GE

Albus-Keefe & Associates | Vice President, Principal Engineer



**JASON DUPRE**, P.E.

Torrent Resources | Technical Marketing Engineer



**MICHAEL CHOI**, P.E., LEED AP

Kimley-Horn | Vice President and Civil Engineering Practice Leader



**MARTY SPONGBERG**, Ph.D, PE, PG

AMEC Foster Wheeler | Principal Engineer

## ARE YOU READY FOR THE FUTURE OF STORMWATER?

- **FREE ADMISSION**
- Professional Development Hours (PDH)
- **Industry Experts** on Stormwater Infiltration
- **Completed California Projects:** Case Study Presentations
- Hot Catered Lunch, Free Hosted Parking, and Raffle Prizes
- 2016-18 Events Attended by over **250 Engineering Professionals**

**LIMITED SEATING AVAILABLE. REGISTER TODAY!**  
602-268-0785 | [SS@TorrentResources.com](mailto:SS@TorrentResources.com)

## JASON DUPRE, P.E.

Jason Dupre, PE graduated from Brigham Young University with a B.S. in civil engineering. Jason spent the first 5 years of his career at a geotechnical engineering and testing firm working on residential, commercial, and public projects with an emphasis on infiltration testing. Jason is now a Technical Marketing Engineer with Torrent Resources serving Southern California. In this role, Jason provides technical expertise in the siting, design, and installation of engineered drywells to civil, geotechnical, and municipal professionals.

## MARTY SPONGBERG, Ph.D, P.E., PG

Marty Spongborg, PhD, PE, PG, is a Principal Engineer with Amec Foster Wheeler with more than 30 years of professional experience, primarily in the fields of hydrology, storm water engineering, and hydrogeology. Dr. Spongborg is California-registered in both civil engineering and geology. For the last 15 years, his practice has focused on designing and implementing storm water infiltration BMPs, and assessing the hydrogeologic fate of infiltrated storm water-borne contaminants.

## MICHAEL CHOI, P.E., LEED AP

Michael Choi is a Vice President and Civil Engineering Practice Leader for Kimley-Horn and Associates in their downtown LA office. He has over 20 years of experience working on development projects with a focus on mixed-use/infill and multi-family projects. He works closely with the project design team to implement BMPs, including drywells, that meet stormwater quality and treatment regulations for various agencies.

## DAVE ALBUS, PG, GE

Mr. Albus graduated from Ohio State University with a B.S. in civil engineering and an emphasis in geotechnical engineering. He is a registered professional engineer and geotechnical engineer with the state of California. He is also a board member of the Geo Institute, Los Angeles Chapter. Mr. Albus has over 30 years of experience in the geotechnical field with projects in Southern and Northern California. He has conducted hundreds of investigations for design of infiltration BMP's used as part of WQMP's. Two-dimensional computer modeling of saturated and partially-saturated soil for infiltration devices is a specialty for Mr. Albus. He is also working closely with the Santa Ana Regional Water Quality Board and Los Angeles Public Works Department in the development of the next revisions of both LID manuals.

### "RECHARGING LOCAL AQUIFERS THROUGH STORMWATER CAPTURE AND INFILTRATION"

JASON DUPRE

PRESENTATION

- ✓ Engineered drywell design
- ✓ Integrated Pretreatment
- ✓ Deep infiltration
- ✓ Drywell Construction
- ✓ Drywell Maintenance
- ✓ Drywell Examples

### "GROUNDWATER QUALITY IMPACT DUE TO LONG-TERM INFILTRATION: CASE STUDIES FROM INDUSTRIAL SITES AND STRATEGIES FOR PERMIT COMPLIANCE OR EXEMPTION"

MARTY SPONGBERG

PRESENTATION

- ✓ Monitoring results at long-term infiltration sites
- ✓ Strategies for using infiltration BMPs for IGP compliance
- ✓ Requirements for achieving Notice-of-Non-Applicability (NONA) Exemption
- ✓ Case studies of successful NONA applications
- ✓ Use of drywells for IGP compliance or NONA exemption

### "URBAN STORMWATER INFILTRATION CONSIDERATIONS"

MICHAEL CHOI

PRESENTATION

- ✓ Selection Criteria and Location Considerations
- ✓ Infiltration and Storage Volume Requirements
- ✓ Bypass or Overflow Considerations
- ✓ Design Coordination inside the Building Structure
- ✓ Liability or Responsibilities

### "PERCOLATION-101"

DAVE ALBUS

PRESENTATION

- ✓ Review of the properties and equations that govern the flow of water through porous media
- ✓ Discussion of the various test methods used to access the permeability properties of soil materials as well as their respective applicability to design of infiltration devices.
- ✓ Discussion and examples of closed-form solutions for infiltration devices and their limitations.
- ✓ Discussion and examples of computer modeling of infiltration devices.