



leading business growth in Geauga County  
geauga growth partnership, inc.

## THE GGP QUALITY ENGINEERS NETWORK

### **Geauga Growth Partnership invites you to join the Quality Engineers Network**

The Geauga Growth Partnership (GGP) is starting a new forum: The Quality Engineers Network (QEN). The GGP QEN is modeled after Lakeland Community College's Quality Managers Network (QMN) that started over 25 years ago and continues to meet today.\*

The GGP QEN is intended to provide an open format for discussion of all quality engineering related topics. Topics will range in technical level from basic to advanced and will be chosen to suite the current needs of network members. Discussions won't be your typical classroom fare. These will be lively, interactive, fun, and engaging. The GGP QEN is free to attend.

QEN meetings will generally be held on the 2nd Friday of each month. Attendance is open to anyone who wants to participate but will be of special interest to anyone who deals with data collection and analysis on a regular basis. The majority of attendees will probably come from manufacturing; however, we also expect participation from service providers, banks, hospitals, insurance companies, and other industries. Attendees will come from a wide range of positions across organizations including advanced operators, technicians, engineers, scientists, and managers.

Here are some other reasons to attend:

- All topics are fair game
- Topics chosen by network members
- Anyone can present
- Swapping of info, references, resources, etc.
- Forced to think outside your own little box
- Able to discuss technical methods with others with similar needs
- Opportunity to discuss real problems and solutions
- Analyze and interpret real data
- Discussions led by technical experts
- Moderated by experienced facilitators

- Earn ASQ recertification units\*\*
- Free to attend

**The first QEN meeting will be held on Friday, April 12th, from 7:30-9:00AM when Paul Mathews and Rick Ales will present a survey of quality engineering methods for the purpose of assessing the interests and needs of participants. Subsequent meeting topics may be chosen from this list.**

- Graphical data presentation methods
- Statistical methods
- Statistical problem solving
- Statistical Process Control (SPC)
- Process Capability Studies (PCS)
- Acceptance Sampling
- Gage Repeatability and Reproducibility (GR&R) Studies
- Geometric Dimensioning and Tolerancing (GD&T)
- Design of Experiments (DoE)
- Reliability
- Statistical software, e.g. MINITAB
- Standards, e.g. ISO 9000, ISO/TS 16949
- ASQ Certification\*\*
- Quality auditing
- Six Sigma
- Lean

Please e-mail Marcia Owen at [mowen@geaugagrowth.com](mailto:mowen@geaugagrowth.com) if you plan to attend the April 12th QEN session. All e-mail goes out BCC so no one will see your e-mail address and you can be removed from the list at any time. The e-mail list is never shared and you will only receive 1-2 e-mails with meeting announcements per month.

\* You can inspect the abstracts from Lakeland QMN meetings [here](#) to see what kinds of topics we cover. (The QMN is currently in a cycle of advanced topics.) Contact Paul Mathews by e-mail ([paul@mmbstatistical.com](mailto:paul@mmbstatistical.com)) if you want to be added to the QMN e-mail list. All e-mail goes out BCC so no one will see your e-mail address and you can be removed from the list at any time. The e-mail list is never shared and you will only receive 1-2 e-mails with meeting announcements per month.

\*\* The QEN meeting topics and format will meet the American Society for Quality's requirements to claim meeting attendance for recertification of Certified Quality Auditor (CQA), Certified Quality Engineer (CQE), Certified Six Sigma Black Belt (CSSBB), Certified Quality Manager (CQM), and other ASQ certifications.

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## ABOUT OUR EXPERIENCED FACILITATORS

### **PAUL MATHEWS**

Paul Mathews is president of Mathews Malnar and Bailey, Inc., a provider of quality engineering and applied statistical consulting and training services for R&D, product, process, and manufacturing engineering organizations. Paul has over 30 years of experience as an engineer, scientist, professor, and consultant. He holds B.S. and M.S. degrees in physics from Miami University and Case Western Reserve University, respectively, and is certified by ASQ as a Quality Engineer and Six Sigma Black Belt. Paul holds ten patents and is the author of two books: *Design of Experiments with MINITAB* and *Sample Size Calculations: Practical Methods for Engineers and Scientists*. Paul is a member of the American Statistical Association and a senior member of the American Society for Quality. In his free time, Paul races and cruises his sailboat Whitehawk on Lake Erie with his wife Kathy.

### **RICK ALES**

Rick Ales is principle of R. Ales Consulting LLC, providing Marketing, Management and Engineering services to companies like Honda R&D America, Parker Hannifin, GE Lighting, Western Reserve Controls and NatGasCar since 2009. Rick has over 35 years of experience innovating new products and developing business in industrial automation, process analytics, semiconductor fab, consumer electronics, automotive and aerospace markets. Rick holds a BSEE from Case Western Reserve University and a Project Management certificate from Kent State and is named inventor on eight US patents. Rick is a US Navy Veteran and member of ISA and IEEE. Rick's most recent projects include Automotive Infotainment systems, Industry 4.0 and the Internet of Things (IoT).