

## Technical Staff Biographies

### Ignatius "Iggy" Alioto • Construction Superintendent

- With Neundorfer since 1985
- NORCAT Certified
- MSHA Certified

#### Specialties include:

- Mechanical inspections
- Construction supervision and project management
- Diagnostics of mechanical and structural problems



### Marlin Anderson • Senior Consultant

- With Neundorfer since 2007; in the industry since 1978
- B.A., Physics & Mathematics, Huntingdon College
- M.S., Physics and Ph.D., Physics, Auburn University

#### Specialties include:

- Gas-flow modeling of pollution control equipment
- Modeling and evaluation of electrostatic precipitator performance
- *In situ* testing of gas-flow distributions
- *In situ* and laboratory resistivity measurements
- Process evaluation

*Marlin has authored or co-authored papers and reports on the evaluation of new technologies and particulate control device performance.*



### Karl Artz • Senior Design & Development Engineer

- With Neundorfer since 1984
- B.S., Electrical Engineering, Case Western Reserve University (formerly Case Institute of Technology)

#### Specialties include:

- Design of control systems for electrostatic precipitators
- Microprocessor-based industrial control hardware and firmware design
- Patent #5,144,442 – Temperature Compensation of Lift Height of Electromagnetic Impact Rappers



### Russ Bailey

*Field Service Technician – Electrical & Mechanical*

- Rejoined Neundorfer in 2006

#### Specialties include:

- Controls installation and startup
- Electrical/mechanical field service and supervision
- Precipitator controls
- Inspections and troubleshooting
- Electrical and mechanical rebuilds
- Pre-bid project evaluation

### Brian Bedford • IT/Systems Administrator

- With Neundorfer since 2004

#### Specialties include:

- Network and systems communication expertise
- Precipitator Optimization System configuration, support and customer service



### Kyle Campbell • Computer Engineer

- With Neundorfer since 2002
- B.S., Computer Engineering, Case Western Reserve University

#### Specialties include:

- Designing and implementing Precipitator Optimization System and SmartAsh software solutions
- Software product management and development
- Training and seminar support
- Fly ash evacuation system optimization
- PLC integration and support



### Carlo Chico • Electrical Engineer

- With Neundorfer since 2004
- B.S., Electrical Engineering, University of Toledo

#### Specialties include:

- Programming and configuration of PLCs on Allen Bradley, Fanuc and Siemens platforms
- Integration of DCS, HMI, control panels and other PLCs
- Electrical design of hardware and software for process controls
- Integration of flue gas, purge and fly ash systems



### Bob Custer • Field Service Technician – Electrical

- With Neundorfer since 2008
- Associate degree in Electronics Engineering Technology, ETI

#### Specialties include:

- Controls and MicroRap installations
- Troubleshooting
- Calibrations
- *In situ* resistivity testing



### Kent Edrington • Field Service Engineer – Electrical

- With Neundorfer since 2008

#### Specialties include:

- Supervision of controls and software installations
- Training
- MicroRap and calibration consulting



**Joshua Fitzhugh** • *CAD Designer*

- With Neundorfer since 2009
- B.S., Engineering Graphics and Design, Murray State University
- Has 5 years experience with AutoCAD

**Specialties include:**

- Field and physical model drawings of mechanical parts
- AutoCAD and SolidWorks
- Resistivity tests
- *In situ* testing of gas-flow distributions
- Computational Fluid Dynamics (CFD) modeling



**Tony Fricke** • *Mechanical Engineer*

- With Neundorfer since 1997
- B.S., Mechanical Engineering, Cleveland State University

**Specialties include:**

- Project management and engineering
- Precipitator component design
- Field technical direction
- Mechanical inspections
- Flue gas conditioning system design and integration



**Patrick Horvath** • *Mechanical Engineer*

- With Neundorfer since 2007
- Master of Engineering Management, Case Western Reserve University
- B.S., Mechanical Engineering, Cleveland State University

**Specialties include:**

- Computational Fluid Dynamics (CFD) modeling
- Mechanical inspections and field technical direction
- Lab resistivity testing
- Project management
- Production engineering



**Bill Miller** • *Field Technical Services Consultant*

- With Neundorfer since 2011; more than 40 years of industry experience
- A.S., Engineering, Somerset County College
- B.S., Civil Engineering, Rutgers University
- M.B.A., Columbia University
- Registered Professional Civil Engineer, New Jersey
- Licensed Mechanical Contractor, New Jersey and California

**Specialties include:**

- Electrostatic precipitator and baghouse diagnostics & troubleshooting
- Electrical and mechanical inspections and field service
- Construction, repair and rebuild supervision
- Project management

**Mike Neundorfer** • *CEO & Owner*

- With Neundorfer since 1973
- B.S., Mechanical Engineering, University of Rochester
- M.B.A., Baldwin Wallace College

**Specialties include:**

Electrostatic precipitator expertise in process evaluation; rapping system acceleration testing; retrofits and upgrades; process controls; fly ash resistivity, evaluation and modification; and fly ash evacuation optimization  
*Mike has authored technical articles and papers related to electrostatic precipitator operation and troubleshooting.*



**Dave Novotny** • *Construction Superintendent*

- With Neundorfer since 1996; has worked with precipitators since 1989
- Associate degrees in Civil Engineering, Marine Drafting, and Maritime Construction, Northeast Wisconsin Technical College GB Campus
- CAD-certified

**Specialties include:**

- Precipitator rebuilds
- Mechanical inspections
- Construction supervision and project management
- Diagnostics of mechanical and structural problems



**Steve Ostanek** • *President*

- With Neundorfer since 1982
- B.S., International Marketing, University of Akron

**Specialties include:**

- Process and equipment problem analysis
- Cost/benefit analysis
- Specification generation assistance
- Training



**Jim Parsons** • *Senior Engineering Consultant*

- With Neundorfer since 2007; more than 25 years of industry experience
- Civil Engineering degree, Idaho State University
- Advanced APC and business management classes

**Specialties include:**

- Field troubleshooting; design and process evaluation for electrostatic precipitators and baghouses
- Construction supervision
- New product development

*Jim has authored, co-authored and presented numerous papers on the design, operation and maintenance of electrostatic precipitators and baghouses. He holds three patents on APC-related equipment, including the AH series of acoustic horns.*



**Jeff Preston** • *Technical Application Consultant*

- With Neundorfer since 1993
- B.S., Electronic Engineering Technology, Cleveland State University
- M.B.A., Lake Erie College

**Specialties include:**

- Precipitator Optimization System field application and support
- Controls support
- New business and process development
- Training



**Dan Quirk** • *Senior Designer*

- With Neundorfer since 1996
- 20 years experience with AutoCAD

**Specialties include:**

- Field and fabrication drawings of mechanical parts
- Component design
- Design and layout of circuit boards for controls products
- CAD system management
- Product management



**Todd Redenshek** • *Field Service Technician – Electrical*

- With Neundorfer since 2000

**Specialties include:**

- Troubleshooting
- Repair of voltage controls and MicroRap boards
- Rapper and MicroRap programming
- Training



**William Shephard** • *Construction Superintendent*

- With Neundorfer since 2007

**Specialties include:**

- Physical flow modeling construction and analysis
- *In situ* testing of gas-flow distributions
- Performance testing
- Mechanical inspections
- Supervision of mechanical repairs
- *In situ* resistivity testing



**Chuck Stephens** • *Field Service Technician – Electrical*

- With Neundorfer since 2002
- More than 30 years experience with precipitators and electrical applications

**Specialties include:**

- Troubleshooting
- Controls installation and startup
- Precipitator Optimization System and controls support
- SO<sub>2</sub> systems support and installation
- PLC commissioning, debugging, troubleshooting and modification

**Eric Sukalac** • *Computer Engineer*

- With Neundorfer since 2008
- B.S., Computer Engineering, Case Western Reserve University

**Specialties include:**

- Software development – .NET, php/Zend, VTS, SQL
- Precipitator Optimization System development and configuration
- *In situ* testing of gas-flow distributions



**Jeremy Timmons** • *Vice President, Engineering*

- With Neundorfer since 1999
- B.S., Ohio University, Chemical Engineering major, General Business minor

**Specialties include:**

- Development of process and precipitator performance improvement programs
- Troubleshooting
- Research and development
- Computational fluid dynamics (CFD) and physical flow modeling
- Flue gas conditioning system design and integration



**Zsuzsanna Toth** • *Electrical Engineer*

- With Neundorfer since 1998
- B.S., Electrical Engineering, Kando College of Budapest

**Specialties include:**

- Production engineering
- AutoCAD
- Controls testing and support



**Edwin G. Zimmer** • *Field Service Technician – Electrical*

- With Neundorfer since 1989
- More than 40 years experience in the air pollution control industry
- Licensed maintenance electrician
- Associate degree, Applied Sciences, Mt. San Antonio College
- Certificate, Low Temperature Boilers, Parker Boiler School (California)
- Certificate, HVAC, Los Angeles Technical School
- U.S. Air Force – Hydraulics, Aerospace

**Specialties include:**

- Controls installation and startup
- Electrical field service and supervision
- Precipitator Optimization System and controls support

**NEUNDORFER, INC.**

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