



Joint Utility Training School

www.juts.biz

Training Today for Tomorrow

42nd Annual

Joint Utility Training School

January 17,18,19, 2017

Ramkota Hotel - Sioux Falls, SD

**41th Annual
Joint Utility Training School
January 17, 18, 19 2017
Ramkota Hotel, Sioux Falls, SD**

REGISTRATION FEE
\$200 per student – PREPAID

GENERAL SESSION

- 1. GETTING IT RIGHT... WORKING MORE EFFECTIVELY WITH OTHERS**
- 2. TRANSFORMER CONNECTIONS**
- 3. OPERATIONS AND SAFETY**
- 4. FIELD OPERATIONS/TECHNICAL SUPPORT**
- 5. SIEMENS REGULATORS**
- 6. MANAGING RISK IN THE UTILITY INDUSTRY**
- 7. SUBSTATION MAINTENANCE**
- 8. ELECTRICAL CODE CLASS**

Some sessions have limited enrollment, so make your reservations as soon as possible.

Please submit registration form with payment.

Make checks payable to: **Joint Utility Training School.**

Refunds and changes in registrations will be allowed to January 11, 2017.

Send check and registration form to: **JUTS, ATTN: JAY, 101 N 3rd St. Beresford SD 57004.**

SESSIONS PROGRAM INFORMATION

Each session is designed as a 12-hour mini-course. Registration will be for one session only per individual. You will remain in that session for the entire length of the course. Certificates will be sent to your respective company if attendance has been continuous.

To obtain continuing education credit for sessions that qualify, a copy of your completion certificate must be sent to: SD Electrical Commission, 308 S. Pierre St, C/O 1320 E. Sioux Ave. Pierre, SD 57501.

REGISTRATION

Tuesday - January 17, 2017

11:00 a.m. to 1:00 pm.

\$200 per person

Pre-paid registration will include: Vendor Show Tuesday from 5:00 to 7:30 P.M., Breakfast on Wednesday and Thursday morning at 6:30 a.m. - 7:30 a.m. in the Exhibit Hall and a noon meal on Wednesday in the Exhibit Hall.

LUNCHEON

Wednesday - January 18, 2017 12:00 noon to 1:00 p.m.

Mini-courses will be:

Tuesday General Session 1:15 p.m.-5:00 p.m.

Wednesday 8:00 a.m.-5:00 p.m.

Thursday 8:00 a.m.-12:00 noon

GENERAL SESSION

Washington Room

Tuesday, January 17th

1:15 p.m. to 5:00 p.m.

Rulon Gardner



Rulon Gardner is an American Olympian who competed in the 2000 Olympic Games, winning the gold medal in Greco-Roman Wrestling.

Rulon defeated Russian Aleksander Karelin who was previously undefeated in 13 years of International Competition.

Rulon's gold medal was the first Olympic gold medal won by an American Greco-Roman Wrestler in a full International field.

Gardner was also a contestant on the 11th season of the Biggest Loser.

Coordinator: Terry Ebright

SESSION I

CONFERENCE ROOM 3

GETTING IT RIGHT WORKING MORE EFFECTIVELY WITH OTHERS

General Session

Tuesday January 17th, 1:15 pm – 5:00 pm

Wednesday, 8:00 a.m. - 5:00 p.m.

Thursday, 8:00 a.m. - 12:00 noon

Getting it Right...Working More Effectively with Others

We work with managers, team members, customers, and others...and then we go home. Many of us find stressful situations and frustration at home or work affecting people in the rest of life. The difficulty of working with others and the challenges of keeping things on an even keel at home and work are difficult for many of us.

Everyone is different. We all have some stress from work and from the problems of living. Trying to build a solid and satisfying workplace that matches your needs at home is a challenge that won't go away. This program will help each participant "get a handle on this." We start by helping understand more about ourselves so we can know more about why people are the way they are and some of the things we can do to make work a good place and to keep work and home from interfering with each other.

This is a discussion class and the participants will determine how lightly or deeply we address each of these topics. We will answer questions and address YOUR issues as we work our way through the three important topics listed below. Our goal for the program is to help each participant leave JUTS and return to work and home with added skills that help make things work out in a balanced way. By growing in some of the basic skills we use every day, we can have a positive impact on all the parts of our life.

Communication

- ~Understanding expectations and communicating them to others.*
- ~How to say the things that need to be said without making more problems.*
- ~Building more effective relationship at work and at home by better communicating.*
- ~How to improve relationships that have gone wrong.*

Personal Management Skills

- ~Managing the stress of life and work—finding a good balance*
- ~Dealing with the stress of customer service and team members*

Emotional Intelligence

- ~How to deal with difficult people to build teamwork*
- ~Helping others to grow professionally*
- ~Addressing things with assertiveness instead of being passive.*



Jim Kellar has provided consulting and training resources for businesses and organizations for 20 years. Through Kellar Training, Jim helps organizations design and implement sustainable solutions

Kellar provides training and coaching in such areas as Change, Performance Management, Teambuilding, Mentoring, and Customer Service. Helping develop and implement strategies to maintain a productive workforce, provide for succession, and find bottom line success is the ultimate goal of his work with organizations.

In the last few years, as the economy has declined, Jim has worked with senior managers as a trainer and a coach. As organizations become more stressed, he's worked to help individual leaders maximize their performance and that of their teams. Jim's coaching approach helps maintain, accountability, personal growth, and a focus on moving forward. One of his passions is the desire to help people and organizations become the best they can be and still maintain those qualities that make work fun and exciting.

Jim is an innovative retreat leader. Some of his retreats involve going to rustic settings, eating gourmet food, and designing outdoor activities that teach planning and teamwork. His Unique Retreats™ are as intriguing and useful to organizations and individuals as the retreats he conducts in traditional corporate settings. In the recent past, retreats have addressed such traditional topics as Strategic Planning, Change Planning, Stress Management, and Management Teambuilding.

Jim lives and works in Sioux Falls, SD. In his leisure, he indulges his life-long passion for the outdoors. He can often be found kayaking a river, hunting, camping with friends, or snow shoeing in the winter with his dogs for exercise and fun...or he may be conducting a training session out there.

James Kellar

PO Box 2694

Sioux Falls, SD 57101

(605) 940-9238

kellartraining@gmail.com

Course limited to 30 Participants

INSTRUCTOR: JIM KELLAR

COORDINATOR: John Larsen
Ginny Beck

SESSION II

Washington Room

TRANSFORMER CONNECTIONS

A 12-hour workshop designed for apprentice lineman or for experienced linemen and servicemen who are willing to go through a refresher course seeking ideas for communicating and explaining electrical terms and transformer connections to employees whom they may supervise. The workshop experience will be valuable to senior linemen who did not have the opportunity to learn the trade at a lineman's school. A pocket calculator would be helpful in determining the anticipated voltage.

General Session

Tuesday January 17th 1:15 pm – 5:00 pm

PARTS I AND II

Wednesday, 8:00 a.m. - 5:00 p.m.

Description: This part will discuss basic three-phase systems. We will work with some basic phasor diagrams and try to explain the relationship of the phasor to the transformer itself. We will also make transformer connections with miniature equipment.

Description: Recognizing that the majority of work done with transformers is for single-phase loads, we will begin with basic transformers. This will include turns ratios, polarities, calculations, connections, and troubleshooting. We will use lecture, open discussion, and hands-on connection with miniature equipment.

PART III

Thursday, 8:00 a.m. - 12:00 noon

Description: We will continue to build miniature transformer banks and work on troubleshooting. We will also discuss motor rotation as it related to three-phase systems, as well as discuss ways to prevent voltage surges during switching a three-phase bank.

Scott Meinecke trained and worked as an electrician prior to his 1984 graduation from the Powerline Program at Northwest Iowa Community College in Sheldon. Scott was employed as a lineman with Iowa Lakes Electric Cooperative in Spencer Iowa and later at their service center in Pocahontas, Iowa Scott has an AAS degree in Powerline Technology and joined Northwest Iowa College in 1989 as an Instructor in the Powerline Program. Scott continues to teach a wide variety of topics, both classroom and hands-on from pole climbing to equipment operation to substation, etc. He is well known for the hand-on Transformer Workshop taught throughout the Iowa-Minnesota-South Dakota region.

Instructor: Scott Meinecke - Northwest Iowa Community College, Sheldon, IA

Coordinators: Jason Frasch
Rodney Haag

4 Non-Code credit hours will be given by the State Electrical Commission.

SESSION III

Lincoln Room

OPERATIONS AND SAFETY

General Session

Tuesday January 17, 1:15 pm – 5:00 pm

PART I

Wednesday, 8:00 a.m. - 5:00 p.m.

WORK ZONE SAFETY AND FLAGGING

Sharon M. Johnson Biography

Family History Pierre resident – Single with 3 grown children, and one grandchild.

Education Civil Engineering graduate of the SD School of Mines & Technology 1979.

Work History Rapid City Traffic Engineer for 8 years (1979-1987); South Dakota Dept. of Transportation Pierre Region Traffic Engineer for 12 years (1987-1999); and, Federal Highway Administration Safety, Traffic, and Right-of-Way Engineer for 17+ years (1999-Present).

Dan Staton Biography

Family History Rapid City resident – Married with 4 grown children, 9 grandchildren, 1 great grandchild.

Education Mechanical Engineer graduate of SD School of Mines & Technology 1969.

Work History Traffic Engineer for SD DOT for 35+ years

Additional History Expert Witness testimony in Wrongful Death Claims for crashes for past 26 years.



PART II
Thursday 8:00 a.m. – 12:00 p.m.

Beating the Odds

Tree work, particularly in relation to line clearance, continues to be near the top of high-risk professions despite our advancements in techniques and equipment. Surprisingly to many electrocution is not the highest risk to line clearance tree trimmers as many more accidents occur during felling, pruning and chipper as well as driving between sites. This session will provide an overview of the accidents that occurred in 2006 but more important - how to avoid them!

Instructor: John Ball

SDSU



John Ball is a Professor of Forestry at South Dakota State University where he conducts research on tree worker safety as well as instructs courses in arboriculture. He has published the research in a wide range of journals and trade publications including *Arboriculture & Urban Forestry*, *Arborists News* and *TCI* and has made presentations in more than 40 states. John previously managed tree care companies in the Midwest and New England.

4 Non-Code credit hours will be given by the State Electrical Commission.

Coordinators: Ken Meirose
Scott Wiese

Session IV

Amphitheater II

Field Operations / Technical Support

Part I

Tuesday 1:15pm – 5:00pm

Title: General Session

Part II

Wednesday 8:00am-5:00 am: Amphitheater II

Jan 18th 8:00-12:00

Underground Splicing & Termination: Product Evolution, Cable Prep & Failure Analysis

This session will cover the Utility Industry progression from Tape Splicing to the more modern Cold Shrink Splices & Terminations, discussing Tape method, Push-on, Heat Shrink & Cold Shrink. A focus on the differences between Heat Shrink vs Cold Shrink. With Cable Prep being a key factor to a successful installation, the steps of the cable prep process will be discussed with why each is so important in the process. We will discuss why most failures occur with photos of failed splices & terminations. We will have a hands-on installation possibly depending on time.

Presenter: Jim Stephens – 3M Utility Sales Professional - 5 years with 3M Company

Jan 18th 1:00 – 5:00

Fault Indicators

and

Fault Locating by Cooper Power

“Ron Foss, Sales Engineer Eaton’s Cooper Power Systems.

Ron has been in sales with Eaton’s Cooper Power systems for 15 years covering the region of North Dakota, South Dakota and Minnesota. Ron’s responsibilities include sales and technical support for utility products manufactured by Eaton. Ron holds a Bachelors of Arts degree in Business from the University Of North Dakota.”

JAMES E. GRIMES

BOX 203

WATHENA, KS. 66090

RYCOM INSTRUMENTS

Mr. Grimes is a graduate of Missouri Western State University. He served in the United States Marine Corps and is retired from the U. S. Navy Reserve. Jim is a graduate of NSCS in Athens, Georgia.

He began his career working for South Western Bell and later transferred to AT&T. He worked for Metrotech Corporation and is now employed by Rycom Instruments in Raytown, Missouri. He has over 35 years experience in outside plant and in locating buried utilities of all types.

Mr. Grimes has given over 500 classes on such topics as The Theory of Pipe and Cable Locating, The Proper Way to Install, Maintain, and test Trace Wire, and Water Leak Detection in Small Towns. He has spoken on these topics at many National venues such as the AWWA, National Rural Water Association, and the National Rural Electric Association. In addition he has been a technical trainer at many State functions.

Jim is recognized by his peers as one of a handful of top authorities on these subjects.

Jan 19th 8:00 – 12:00

Elastimold 600 AMP Training

Instructor: Mike Quay

He is an Outside Applications Engineer for Thomas & Betts, representing Elastimold Cable Accessories, Homac and Blackburn Connectors and Hi-Tech Fuses.

Course Coordinators: Bruce Brekke
Brad Wenande

SESSION V

Jefferson Room

SIEMENS REGULATORS

General Session

Tuesday January 17th, 1:00 pm – 5:00 pm

SIEMENS REGULATORS

Wednesday, 8:00 a.m. - 5:00 p.m.

Thursday, 8:00 a.m. - 12:00 noon

SIEMENS REGULATORS

Please bring a lap top computer

The Regulator College of Knowledge was developed over a period of 40 years.

It is designed to increase the knowledge of personnel responsible for handling, installing and maintaining single phase voltage regulators. The program consists of classroom training (various control panel and regulators operations) and hands-on instruction. Topics included to be covered are voltage regulator construction; control panel set-up: MJ-4A, trouble shooting controls and regulators; and installing and bypassing.

Topics include:

- * Regulator Product Presentation
- * Introduction to Voltage Regulators
- * By-passing Regulators
- * Regulator Construction, Tap Changer Operation
- * Nameplates and Control Diagrams

(Straight & Inverted Designs

- * Troubleshooting/Hands on & Discussion
- * and much more

Instructor: Court Hode



I started my professional career in supplier quality with Nissan North America supporting the production of the Titan Trucks, QX56 SUV and Quest Minivans. I transitioned from the automotive industry into the energy industry in 2009 when I began working with the Richland, MS Siemens factory where the high voltage circuit breakers and voltage regulators are manufactured. Working within the factory, I was able to experience all aspects of the business: supplier and internal quality, manufacturing / production, engineering and marketing / application engineering. Finishing my time with Siemens as an application engineer, I was responsible for specification review and development, quotations, technical support and troubleshooting. I left Siemens at the end of 2015 to begin developing a new region of the U.S. with ElectroTech, Inc. – still supporting the Siemens products as the manufacturer’s representative; now more focused on customer development.

Court Hode

Utility Sales

ElectroTech, Inc.

7101 Madison Avenue West

Minneapolis, MN 55427

Cell: 720-347-5906

Court.Hode@ElectroTech-Inc.com

Course Coordinators: Dale Henderscheidt
Ken VanZee

SESSION VI

Roosevelt Room

"Managing Risk In The Utility Industry"

General Session

Tuesday January 17th, 1:15 pm – 5:00 pm

Security Consideration For The Utility Industry

Wednesday, 8:00 a.m. - 5:00 p.m.

Thursday, 8:00 a.m. - 12:00 noon

Managing Risk In The Utility Industry

Risk is inevitable. How much risk is acceptable? This presentation examines risk from a utility perspective. Topics will include:

- Meth Lab recognition
- Active shooter preparations and survival
- Organized crime recognition and avoidance (Includes "Gang chart")
- Driving security considerations
- Building, perimeter and parking lot security
- Avoiding and de-escalating confrontations
- Reducing theft(s) (Power and/or materials)
- Security assessments
- IED's and Bomb threat recommendations
- Identity theft avoidance and prevention
- Workplace violence avoidance recommendations
- Top "10" list of security considerations

This fast paced, audience interactive presentation will provide you with the cost effective "tools" required for your on-going security efforts. Attend this presentation and experience why thousands of participants from hundreds of utilities consider this a "must see" program!

Instructor: Stefan Salmonson, President - PROtective Services, Inc. Mora, MN

SPEAKERS BIO ...

Your presenter, Stefan V. Salmonson, is the president of **PRO**protective Services, Inc. He is a licensed deputy sheriff/tactical trainer, licensed private detective, licensed protective agent, certified personal protection specialist (Body Guard), international security consultant, experienced tactical specialist, contract government investigator (with security clearance), airline transport pilot and professional speaker. **PROS** provides executive and personal protection services, high-risk employment termination support services, discrete investigations, security presentations, training, keynote presentations, security assessments, consulting and risk management recommendations for several hundred clients.

Optional Information:

Stefan writes security related articles for publications and is frequently interviewed by journalists regarding security concerns. Clients include national/international corporations, government agencies, foreign royalty, public utilities, school districts/student transportation, flight department/associations, prisons, hospitals, financial institutions, media, the trucking, real estate and insurance industry.



Stefan V. Salmonson, PPS

PROprotective Services, Inc.
209 East Maple Avenue, Suite 5
Mora, Minnesota 55051

Office: 320-679-4848

Cell: 612-961-5867 (24/7)

E-Mail: Stefan@PROprotectiveServicesinc.net

WEB: WWW.PROprotectiveServicesinc.net

Stefan V. Salmonson, PPS, President

Coordinators: Lynn Kruse
Travis Denison

SESSION VII

Conference Room 1

SUBSTATION MAINTENANCE

PART I

GENERAL SESSION

Tuesday, January 17th, - 1:15 p.m. - 5:00 p.m.

PART II

Title: Substation Maintenance

Wednesday, January 18, 8:00 a.m. - 5:00 p.m.

Also Thursday, January 19, 8:00 a.m. - 12:00 noon

Description: This class is meant to give a good foundation on the knowledge of substation equipment, operation and maintenance practices.

The class will cover as much ground as possible, including detailed discussion about all substations equipment. All efforts will be made to gear the class to your specific needs.

TOPICS INCLUDED ARE:

- Safety Considerations
- Specific hazards of the substation
- Apparatus
- Review of major substation equipment design and deployment
 - Station One Lines
 - Bus configuration
 - Switching Equipment
 - Transformers
 - Voltage Control
 - Protection and Automation
- Operation and maintenance
 - Substation Switching
 - Equipment and maintenance

SPEAKERS BIO ...

Gary Roskos has worked in the utility industry for more than 28 years, starting as an engineering intern with Northern States Power in 1983. During his 20 years with NSP and Xcel Energy, he gained experience in the following areas:

- Substation Design and Construction
- Protective Relaying
- System Analysis and Reliability
- Electric System Maintenance and Troubleshooting
- Metering
- Distribution Construction and Trouble Operations

Upon leaving Xcel Energy at the end of 2002, he worked for Open Systems International, Inc., a leading provider of SCADA/EMS systems, helping with product development and project management for projects throughout the world.

In 2006 he spent time with Cooper Power Systems/Cannon Technologies working on product development and product management in the areas of substation monitoring and distribution automation.

He started his own consulting company in 2008 and continues to work on substation design and electric system automation projects throughout North America.

He holds a Master's Degree in electrical engineering from the University of Minnesota, with an emphasis in power systems operation and analysis.

Coordinators: Corey Gunderson
Mike Letcher

SESSION VIII

CONFERENCE ROOM 2

NATIONAL ELECTRIC CODE HOURS

8 Hours Code Credit

Each attendant needs to bring a Current NEC code book

GENERAL SESSION

Tuesday, January 17th, - 1:15 p.m. - 5:00 p.m.

PART I

CONFERENCE ROOM 2

CODE CLASS

Wednesday, January 18th, 8:00 a.m. - 12:00 p.m.

Instructor: Larry Kippas

Larry is a Marion native, he started his career in 1976 at Mitchell Vo Tech, and worked in the field with various contractors. In 1989 he went to work for the South Dakota Electrical Commission as an electrical inspector. In 2005, he took an electrical job with the city of Sioux Falls, and is currently the CHIEF Electrical Inspector for Sioux Falls. He is currently on the board of directors for the International Association of Electrical Inspector and also on the board of directors for the Sioux Falls Electrical Council.

PART II

Lincoln Room

Wednesday, January 18th, 1:00 – 5:00

Fault Indicators

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Fault Locating by Cooper Power

“Ron Foss, Sales Engineer Eaton’s Cooper Power Systems.

Ron has been in sales with Eaton’s Cooper Power systems for 15 years covering the region of North Dakota, South Dakota and Minnesota. Ron’s responsibilities include sales and technical support for utility products manufactured by Eaton. Ron holds a Bachelors of Arts degree in Business from the University Of North Dakota.”

JAMES E. GRIMES

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Jim is recognized by his peers as one of a handful of top authorities on these subjects.

PART III CONFERENCE ROOM 2

CODE CLASS
Thursday, January 19st, 8:00 a.m. - 12:00 noon

Instructor: Larry Kippas

This class will get you 8 hours of approved credits for renewing your South Dakota state Electrical License's

Part I & Part III

4 Code credit hours will be given by the State Electrical Commission.

Part II

4 Non-Code credit hours will be given by the State Electrical Commission.

Course Coordinators: Rob Buller
Doug Enstad

Joint Utility Training Committee

Chairman: Terry Ebright – Sioux Valley Energy, Colman SD
Vice Chair: Doug Enstad – Watertown Municipal Utilities, Watertown, SD
Secretary: Dale Henderschiedt – Brookings Municipal Utilities, Brookings, SD
Treasurer: Dale Henderschiedt - Brookings Municipal Utilities, Brookings, SD

South Dakota Rural Electric Association:

Ken VanZee – Douglas Electric Coop, Armour, SD
Travis Denison – SD Rural Electric Association, Pierre, SD
Terry Ebright – Sioux Valley Energy, Colman, SD
Rodney Haag - Oahe Electric, Blunt, SD

Investor –Owned Electric Utilities:

Scott Wiese – Otter Tail Power Co, Milbank, SD
Brad Wenande – Northwest Energy, Huron SD
Bruce Brekke – Montana-Dakota Utilities, Mobridge, SD
Ken Meirose – Black Hills Power, Sturgis, SD

Municipal Electric Utilities:

Dale Henderschiedt – Brookings Municipal Utilities, Brookings, SD
John Larsen – City of Sioux Falls, Sioux Falls, SD
Jay Nordquist –City of Beresford, Beresford, SD
Ginny Beck – Crooks Municipal Gas, Crooks SD
Rob Buller – City of Parker, Parker, SD

Generation, Transmission, Political Sub Districts, Statewide Association:

Doug Enstad – Watertown Municipal Utilities, Watertown, SD
Jason Frasch – Rosebud Electric, Gregory, SD
Mark Patterson – SD Rural Electric Association, Wall, SD
Cory Gunderson – East River Electric Coop, Madison, SD

Vendors Association:

Chad Low – Border States Electric

