

# Watts CURRENT

## SDEC Annual Conference on April 24-25, 2009 Hosted by the Black Hills Chapter

### Speaker Ryan Jackson

Ryan Jackson is a combination inspector for Draper City, Utah. He began doing commercial electrical work when he was 18 years old, and by the age of 24 had become an inspector. Ryan is certified by the International Code Council as an electrical, plumbing, mechanical, and building inspector for both residential and commercial structures. He is also certified as an Electrical Plans Examiner and a Building Plans Examiner. Ryan is the senior electrical inspector for Draper City.



When Ryan was 25 years old he began teaching continuing education seminars for electrical inspectors, electricians, and electrical engineers. He has taught classes for the Utah Chapter of the International Code Council, the Utah Chapter of the International Association of Electrical Inspectors, the Independent Electrical Contractors of Utah, and the International Brotherhood of Electrical Workers. He also teaches several classes for different electrical contracting companies throughout the state of Utah.

Ryan is a board member of the Utah Chapter of the IAEE, and has served as President of the Chapter. Ryan has contributed to nearly 2,500 topics on Mike Holt's web site [www.mikeholt.com](http://www.mikeholt.com).

### Speaker Phil Simmons

Phil is self-employed as Simmons Electrical Services. Services include consulting on the National Electrical Code and other Codes, writing, editing, illustrating and producing technical publications and inspection of complex electrical installations. He develops training programs related to electrical codes and safety and has been a presenter at numerous seminars and conferences. Phil also provides plan review of electrical construction documents.



Phil began his electrical career in a light-industrial plant. He is licensed as a master electrician and was owner and manager of Simmons Electric Inc., an electrical contracting company.

Phil previously served as Chief Electrical Inspector for the State of Washington from 1984 to 1990 as well as an Electrical Inspector Field Supervisor, Electrical Plans Examiner and field Electrical Inspector. While employed with the State, Phil worked in plan review and inspection of health care facilities including hospitals, nursing homes and boarding homes. Phil passed the certification examinations for Electrical Inspector General, Electrical Plan Review; and Electrical Inspector 1 and 2 Family.

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**Registrations Forms Inside**

## PRESIDENT'S NOTES

### Mike Miller

Greetings, looking ahead to spring, there is an event pending that I would like you to seriously consider. The Hills Chapter of the SDEC has been working hard to put on our ANNUAL CONFERENCE in Rapid City. This year's conference will feature some of the best presenters available. On top of that, this is a show year where you will have the opportunity to view very new electrical products and tools and visit with factory representatives. Also remember there will be six (6) drawings during the conference for each \$100.00 cash. You can receive up to 11 CEU's for attending this year's conference.

I would like to take this opportunity to thank the SD Electrical Council for trusting me with the position of being your president. It has been a great experience. I feel that we have been very successful in achieving our membership goal I set two years ago. Mike Fisher will be installed at our annual meeting and I wish him well and pledge my support for continued growth.

I hope to see you all at the ANNUAL CONFERENCE 2009 in Rapid City.

*Mike Miller*

## Upcoming Board Meeting

### April 23, 2009

### Rapid City, South Dakota

### SDEC Advertising Rate Sheet

The "Watts Current" is a semi-annual (8 1/2 x 11) publication that is mailed to our membership, and advertisers. The current mailing list exceeds 1000 people. We mail the publication in March and October.

Ads are due to our office by the **15th of the month prior to publication.**

Page	Approximate	Rates	
Size	Dimension	Issue	Year
Full	7.5" x 9.5"	\$200	\$325
Half	5" x 7.5" or 3.5" x 9.5"	\$75	\$140
Quarter	3.5" x 5"	\$50	\$90
Eighth	3.5" x 2.25"	\$35	\$50

**For more information contact:**

South Dakota Electrical Council  
 Kelli Fuhrmann, Council Administrator  
 PO Box 1820  
 Sioux Falls, SD 57101-1820  
 (888) 299-1675 or (605) 339-8888  
 sdec@iw.net - www.sdec.org

### Phil Simmons *(Continued from Page 1)*

Phil served the International Association of Electrical Inspectors as Executive Director from 1990 to 1995 and as Education, Codes and Standards Coordinator from 1995 through June 1999. He was International President in 1987. While at IAEI, Phil wrote and edited text, developed and prepared illustrations for the IAEI Soares Book on Grounding of Electrical Systems, Ferm's Fast Finder Index, the IAEI Analysis of the NEC. He was the original co-author of IAEI's book on Electrical Systems in One- and Two-Family Dwellings. He also served as Editor of IAEI News from 1990 - 1995 and updated the Electrical Inspection Certification Study Guides as well as the Neon Installations Manual.

In 2004, Phil wrote two books; a book on Grounding and Bonding of electrical systems and another on Significant Changes in the 2005 NEC. Both books were published by Thomson/Delmar.

He served Underwriters Laboratories, as a Corporate Member and on the Electrical Council from 1985 to 2000. He served on the UL Board of Directors from 1991 to 1995.

Phil presently serves NFPA on Code Making Panel-5 of the National Electrical Code Committee (grounding and bonding). He previously served on the NEC CMP-1 (Articles 90, 100 and 110), as Chair of CMP-19 (articles on agricultural buildings and mobile and manufactured buildings) and member of CMP-17 (health care facilities). He served six years on the NFPA Standards Council, as NFPA Electrical Section President and on the NEC Technical Correlating Committee.

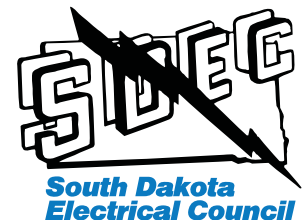
### Board of Directors

- Mike Miller . . . . . President
- Mike Fisher . . . . . Vice-President
- Kelli Fuhrmann . . . . . Council Administrator

### Board Members

- Craig Anderson
- Douglas Hamilton
- Steven Hietpas
- Ray Kub
- Marty Larson
- Roger Larson
- JJ Linn
- Carl Maas
- Tom Nelson
- Mike Sprang
- Jeff Stone
- Troy Swift

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# NEC Code Classes

“Continuing Education is Your Best Investment in the Future”



**Arne Electro-Tech Seminars**  
 P.O. Box 2272 Rapid City, SD 57709-2272  
 (605) 342-9088 Fax: (605) 342-9087  
 Website: [www.AETech.com](http://www.AETech.com)  
**1-888-603-5050 toll free**  
 Email: [Arne@AETech.com](mailto:Arne@AETech.com)

The Instructor: **Steve Arne** is an experienced Electrician, Licensed Inspector and Certified Technical Educator with over 24 years of electrical teaching experience. Steve is the Technical Editorial Director for Mike Holt Enterprises.

### 2008 NEC Code Update Class

Approved for 16 hours of Code in SD, WY, NE and also accepted in other states

<b>Gillette, WY</b>	Holiday Inn Express	7:30 a.m. April 16-17, 2009 (Thurs-Fri)
<b>Rock Springs, WY</b>	America's Best Value Inn	7:30 a.m. May 19-20, 2009 (Tues-Wed)
<b>Cheyenne, WY</b>	Holiday Inn	7:30 a.m. May 22-23, 2009 (Fri-Sat)
<b>Huron, SD</b>	Crossroads Hotel	7:30 a.m. May 28-29, 2009 (Thurs-Fri)
<b>Brandon, SD</b>	Holiday Inn Express	7:30 a.m. June 16-17, 2009 (Tues-Wed)
<b>Casper, WY</b>	Ramada Plaza Riverside	7:30 a.m. June 23-24, 2009 (Tues-Wed)

**Cost:** \$195.00 for 16 hrs/ \$135 for 8 hrs. (includes class workbook or reference book)

**Discount:** Advance Registration, paid 14 days before class \$185.00 for 16 hrs / \$125.00 for 8 hrs.

### You Can Pass Your Electrical Exam!

#### New Comprehensive Exam Prep Combination!

The following 3 classes can be taken separately, or in combination.

Day 1-2: **Understanding the 2008 National Electrical Code.** This is a great over-all review of the NEC  
 Day 3-4: **NEC Electrical Code Calculations for Exam Prep.** Covers the NEC calculations needed for an exam  
 Day 5: **Master Exam Prep Commercial Calculations.** An extension of the 2 day calculations course.  
**MUST REGISTER at [AETech.com](http://AETech.com) or PHONE 605-342-9088**

Day 1-2 <b>Understanding NEC</b> 16 hours code credit	Day 3-4 <b>NEC Calculations for Exams</b> 16 hours code credit	Day 5 <b>Master's Commercial Calculations</b> 8 hours code credit	Location: <b>Rapid City, SD</b> Home office conference room at 18 E New York St
Cost: \$195.00 + books*	Cost: \$295 + books*	Cost: \$160 +books*	Register at 7:30 a.m.
(early pay discount \$10)	(early pay discount \$20)	(early pay discount \$10)	Combined pricing below
April 6 - 7, 2009(Mon-Tue)	Apr 8 - 9, 2009 (Wed-Thurs)	Apr 10, 2009 (Fri)	
May 11-12,2009(Mon-Tue)	May 13-14,2009 (Wed-Thurs)	May 15, 2009 (Fri)	
June 8-9,2009 (Mon-Tue)	June 10-11,2009 (Wed-Thurs)	June 12, 2009 (Fri)	
July 13-14,2009 (Mon-Tue)	July 15-16,2009 (Wed-Thurs)	July 17, 2009 (Fri)	
*2008 NEC Book and Calculator are required. UNEC books are optional	*2008 NEC, Mike Holt's '08 Exam Prep book (\$60) & Calculator required	*2008 NEC, Mike Holt's '08 Exam Prep book (\$60) & Calculator required	Meals are not furnished
<b>Early pay discounts</b> for payment at least 14 days before class.	First 4-day pricing: \$490 plus early registration discount	5-day pricing: \$650 plus early registration discount	Days 3 – 5 pricing: \$455 plus early registration discount

**Check our website or call us for updates as more classes will be added.**

- Exam Prep Guarantee: If you do not pass your electrical exam after taking this class, you may retake it for half price within six months of attending the class

### Get Email Schedule Updates

Go to [AETech.com/schedule.htm](http://AETech.com/schedule.htm) and sign up for email updates

**Visa- Master Card- Discover/ Novus- American Express**

All classes are subject to enrollment limits and enrollment minimums.

(all prices, dates, and locations are tentative and are subject to change)



“In God we Trust”

Visit our Web site at: <http://www.AETech.com>

**Electrician Books and Training Videos can be Ordered Online!**



2009 SDEC Convention  
 April 24 – 25, 2009  
 Ramkota Hotel  
 Rapid City, South Dakota

**Friday, April 24, 2009**

7:00 am – 5:00 pm	Registration
7:00 am – 8:00 am	Continental Breakfast
Spouse Excursion	Optional trip to a Hill City Winery; Transportation will be arranged from Rapid City at a nominal cost. Various lunch options will be available at the tour site. These price estimates and a time schedule will be available at the registration desk.
8:00 am – 12:00 pm	Vendor Registration
8:00 am – 9:50 am	General Session: Welcome Steve Arne; Code User's Guide
9:50 am – 10:10 am	Break
10:10 am – 12:00 pm	Featured Speakers:
2 CEU Hours Available	Ryan Jackson; Code Changes 1 Phil Simmons; Transformer OC Protection Mike Miller; You be the Inspector Rick Johnson; Lighting Control
12:00 pm – 1:30 pm	Lunch and Annual Business Meeting
12:00 pm – 7:00 pm	Vendor Trade Show
1:30 pm – 3:20 pm	Featured Speakers:
2 CEU Hours Available	Ryan Jackson; Code Changes 2 Phil Simmons: Wiring for Health Care Greg Elstad: Conduit and Test Equipment
3:20 pm – 6:00 pm	Break and visit with vendors
1 CEU Hour Available	
7:00 pm	Banquet and Person of the Year Awards and Entertainment

**Saturday, April 25, 2009**

7:00 am – 9:00 am	Registration and Continental Breakfast
8:00 am – 9:50 am	Featured Speakers:
2 CEU Hours Available	Ryan Jackson; Code Changes 1 Phil Simmons; Transformer OC Protection Mike Miller; You be the Inspector Rick Johnson; Lighting Control
9:50 am – 10:10 am	Break
10:10 am – 12:00 pm	Featured Speakers:
2 CEU Hours Available	Ryan Jackson; Code Changes 2 Phil Simmons; Wiring for Health Care Greg Elstad; conduit and test equipment
12:00 pm – 1:00 pm	Lunch
1:00 pm – 3:00 pm	State Inspectors Panel - Forum
2 CEU Hours Available	
3:00 pm – 3:30 pm	Award Door Prizes, Must be present to win.

Schedule may be subject to change.



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## SDEC Annual Conference Hosted by the Black Hills Chapter

April 24<sup>th</sup> & 25<sup>th</sup>, 2009

Ramkota Hotel – Rapid City, South Dakota

Code	Description	Code	Description
00	Allied Organizations	08	Manufacturer Representative
01	Educators & Individuals	09	IOU's
02	Retail Electrical Suppliers	10	Municipals
03	Engineers	11	REC's
04	Electrical Contractor	12	SDEC Board member
05	Electrical Distributor	13	SD State Electrical Commission
06	Electrician	14	Electrical Inspectors
07	Student	15	Associate member
		16	Apprentice Electrician

2009 Membership Dues: The Conference is for Members ONLY; if you have NOT received your 2009 membership card, you will need to PAY your dues to attend the conference. Please circle your industry code above & include \$40.00 with your registration. If you have questions on your membership, contact us at (888) 299-1675.

### Registration fees – MEMBERS ONLY

FULL ADVANCE REGISTRATION INCLUDES all code, non-code classes, and meals. Advance registration is \$125.00 if paid by Friday, March 31, 2009. After April 1, 2009, full registration is \$140.00. Credit card payments are accepted online at [www.sdec.org](http://www.sdec.org).

HOST HOTEL - A block of rooms, under the SD Electrical Council are reserved at the Ramkota Hotel in Rapid City for \$75.00 for singles or double occupancy plus tax. To reserve a room contact the Ramkota at (605) 343-8550. The special group rate and room block WILL NOT be available thru the Best Western Reservation system. All reservations must be received by April 1, 2009. After that date, the remaining blocked rooms will be released and sold on a first come first serve basis.

Full Registration by March 31, 2009

Full Advance Registration (members) \_\_\_\_\_ @ \$125.00 \_\_\_\_\_

Full Spousal Registration (Friday & Saturday meals) \_\_\_\_\_ @ \$40.00 \_\_\_\_\_

Full Registration – After April 1, 2009 (members) \_\_\_\_\_ @ \$140.00 \_\_\_\_\_

Full Spousal Registration – After April 1, 2009 \_\_\_\_\_ @ \$60.00 \_\_\_\_\_

SDEC 2009 Membership (Non-members) See above for qualifications \_\_\_\_\_ @ \$40.00 \_\_\_\_\_

Partial Registration by March 31, 2009

Friday, April 24, 2009 (Classes, Breakfast, Lunch & Dinner) \_\_\_\_\_ @ \$95.00 \_\_\_\_\_

Saturday, April 25, 2009 (Classes, Breakfast & Lunch) \_\_\_\_\_ @ \$95.00 \_\_\_\_\_

Friday Night Banquet only \_\_\_\_\_ @ \$30.00 \_\_\_\_\_

Partial Registration after April 1, 2009

Friday, April 24, 2009 (Classes, Breakfast, Lunch & Dinner) \_\_\_\_\_ @ \$115.00 \_\_\_\_\_

Saturday, April 25 2009 (Classes, Breakfast & Lunch) \_\_\_\_\_ @ \$115.00 \_\_\_\_\_

AMOUNT ENCLOSED \_\_\_\_\_

NAME \_\_\_\_\_ SPOUSE \_\_\_\_\_  
 COMPANY \_\_\_\_\_ If interested in Spouse Excursion info, circle here: Yes / No  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 PHONE \_\_\_\_\_ EMAIL \_\_\_\_\_

MAKE YOUR CHECKS PAYABLE TO:  
SDEC – PO Box 1820, Sioux Falls, SD 57101-1820  
(888) 299-1675 - SDEC@IW.NET\_- WWW.SDEC.ORG  
PAY BY CREDIT CARD ONLINE AT WWW.SDEC.ORG

**Featured Speakers**

Steve Arne  
Mike Miller  
Rick Johnson  
Ryan Jackson  
Phil Simmons  
SD Electrical Inspectors

Visit [www.sdec.org](http://www.sdec.org) and click on the Conference tab

**Host Hotel - Ramkota Hotel**

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**New Board Member - JJ Linn**

John J. Linn Jr. (JJ), Pierre, was hired as Executive Director of the South Dakota Electrical Commission December 1, 2008. He is a life long resident of the state of South Dakota. JJ grew up in Pierre and was a graduate of the University of South Dakota with a degree in accounting. JJ attained licensure as a C.P.A. in 2000 and as a real estate Broker Associate in 2006. He currently is a board member for the South Dakota Board of Accountancy and the South Dakota Electrical Council. JJ is a member of International Association of Electrical Inspectors, the Board of Accountancy and the South Dakota Central Board of Realtors.

Presently he and his wife, Jill, live in Pierre with their three daughters. They enjoy four wheeling and the many pleasures the Missouri River provides.

[www.sdec.org](http://www.sdec.org)

**MTI receives Grant**

A federal grant of nearly \$2 million to Mitchell Technical Institute will be used to train people for utility and wind energy jobs.

The money from the U.S. Department of Labor comes at a critical time, said MTI President Greg Von Wald.

Budget constraints in Pierre could mean a loss in funding for the Mitchell school and the state's three other technical schools, he said.

"We've been getting pressure for years to expand our power line and natural gas programs because the industry needs more people," Van Wald said.

"But those programs require extensive capital for trucks, trenchers and other equipment. That was the reason for building our new technologies building," he said.

The grant, which will be disbursed over a three-year period, will also help pay for instructors and specialized equipment for MTI's new wind technologies program, due to launch in September.

"This will help an unbelievable amount," he said. "Trucks and wind generators are not small items and I was concerned. This is an answer to our prayers."

**Annual Conference  
and Trade Show**

**April 24-25, 2009**

**Hosted by the**

**Black Hills Chapter**

**Ramkota Hotel, Rapid City, SD**

**Register at  
[www.sdec.org](http://www.sdec.org)**



## 2009 SDEC Conference Sponsorship Opportunities

<input type="checkbox"/> I will provide a Door Prize		<u>Deadline</u>
<input type="checkbox"/> Convention program ad (full page)	\$100.00	March 27, 2009
<input type="checkbox"/> Convention program ad (one-third page)	\$60.00	March 27, 2009
<input type="checkbox"/> Break Sponsor	\$200.00	March 27, 2009
<input type="checkbox"/> Continental Breakfast Sponsor	\$400.00	March 27, 2009
<input type="checkbox"/> Social Sponsor	\$500.00	March 27, 2009
<input type="checkbox"/> Lunch Sponsor	\$1000.00	March 27, 2009
<input type="checkbox"/> Lunch Co-Sponsor	\$500.00	March 27, 2009
<input type="checkbox"/> Early Bird Vendor Booth (before March 12, 2009)	\$225.00	March 27, 2009
<input type="checkbox"/> Vendor Booth (after March 12, 2009)	\$250.00	March 27, 2009
<input type="checkbox"/> Electricity with Vendor Booth (Limited Number)	\$25.00	March 27, 2009

Make checks payable to SDEC, PO Box 1820, Sioux Falls, SD 57101-1820, (888) 299-1675. If payir by credit card go online to [www.sdec.org](http://www.sdec.org) to sign up and fax, (605) 367-8998, your registration for to SDEC, Attention – Kelli.

KEY CONTACT \_\_\_\_\_

BUSINESS \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

AMOUNT ENCLOSED \_\_\_\_\_

SDEC Calendar of Events

Save the Date:

Board of Director Meeting

April 23, 2009

Ramkota Hotel - Rapid City

6:30 pm - Social

7:00 pm - Dinner and Meeting

Open to:

- Chapter Presidents
- Chapter Representatives
- Conference Chairs
- Board Members

Annual Conference & Trade Show

Registration Forms Enclosed

Visit www.sdec.org

Annual Conference

April 24-25, 2009

Annual Conference hosted by the

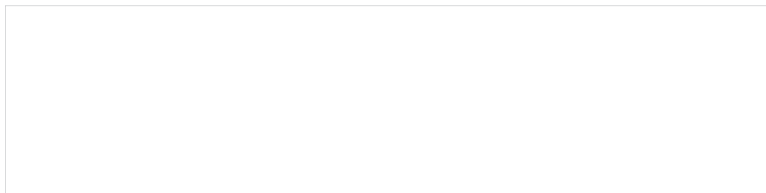
Black Hills Chapter

Ramkota Hotel, Rapid City, SD

www.sdec.org

... "Every man owes a part of his time and money to the business or industry to which he is engaged. No man has a moral right to withhold his support from an organization that is striving to improve conditions within his sphere."

Theodore Roosevelt



Don't Miss the Trade Show

Visit www.sdec.org

Registration Forms Enclosed

Annual Conference

PRESORTED  
STANDARD  
U.S. POSTAGE  
PAID  
CHAMBERLAIN, SD  
PERMIT NO. 16

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