



North Dakota



# PROFESSIONAL ENGINEER

March 2002

## NDSPE 61<sup>ST</sup> ANNUAL CONVENTION

April 4th & 5th, 2002

Doublewood Inn - Fargo, ND

### TENTATIVE AGENDA

#### Thursday, April 4<sup>th</sup>

- 7:30 A.M. Registration Opens  
Continental Breakfast  
Board of Directors Meeting
- 8:15 A.M. Welcome  
Roadshow Report  
ND State Board of Registration  
National Representative-NDSPE
- 9:30 A.M. Morning Break
- 9:45 A.M. Morning Technical Sessions  
*Communication through Writing;*  
Sandy Gronhovd, NDSU
- 10:45 A.M. *Communicating with the Media;*  
Charley Johnson, KVLV  
Paul Jurgens, KFGO  
Jack Zaleski, The Forum
- 12:00 P.M. Noon Luncheon
- 1:00 P.M. Afternoon Technical Sessions  
*Communicating with your Attorney;*  
Steve Plambeck, Nilles Law Firm

- 2:00 P.M. *Communicating with your Employees;*  
Don Morton, Great Plains/  
Microsoft
- 3:00 P.M. Load Buses for Phoenix International  
Tour
- 6:00 P.M. Social Hour
- 7:00 P.M. Banquet

#### Friday, April 5<sup>th</sup>

- 7:30 A.M. NDSPE Educational Foundation  
Continental Breakfast
- 9:00 A.M. Business Meeting Reconvenes  
Committee Reports
- 10:45 A.M. Morning Break
- 11:00 A.M. Continued Business
- 12:00 P.M. Adjourn Meeting

North Dakota  
**PROFESSIONAL  
ENGINEER**

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**Executive Officers**  
**North Dakota State Society**  
**of Professional Engineers**

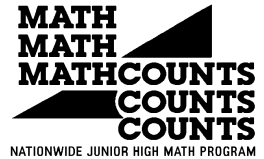
- Dean Wieland, PE . . . . . Grand Forks  
President
- Roger Kluck, PE . . . . . Minot  
President-elect
- Donald Andersen, PE . . . . . Fargo  
Vice-President
- Kevin Nelson, PE . . . . . Bismarck  
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- Mary Nelson . . . . . Bismarck  
Executive Secretary
- Steve Smith, PE . . . . . Bismarck  
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The NORTH DAKOTA PROFESSIONAL ENGINEER is the official publication of the North Dakota Society of Professional Engineers published twice a year at Fargo, ND.

**MATHCOUNTS**

**Michael Gunsch, PE**  
**State Coordinator**



The most notable change to this year's program is the relocation of the National Competition from Washington D.C. to Chicago, Illinois. This change has been in the works for several years and is an issue of economics for the national program and is not related to the events of this last year.

Last year was the first year sixth graders were allowed to officially compete in the competitions. This change extended student eligibility to three years. The decision as to whether or not these younger students competed, along with material distribution, was left to their teachers. We have not heard any concerns or have any information as to the local impact. Also last year individuals were allowed to complete and register separately, though all schools were requested to maintain full teams to take advantage of the cooperative learning experience. Pursuant to this change, up to eight students per school were allowed to compete, however, each school is only allowed one "official team." The other four students may participate in the team round, but competed as "individuals only" to advance to the County and State Competitions.

The 2001 State Competition consisted of 160 students (20 School Teams + 80 individuals). This student group consisted of one "School Team" and the top eight individual students who are not on the top School Team from each Region. Overall we feel this had a positive impact on the competition, though it may have strained our resources and room accommodations. We hope to be better prepared this year, then again every competition is a new experience.

The 2002 North Dakota State MATHCOUNTS Competition will be held Monday, March 18<sup>th</sup> at the Radisson Inn in Bismarck.

The 2001 National Competition was rewarding for who traveled and shared this experience with our state team. Their families, coaches, friends and all of us are very proud of them. Our State Team finished 55 out of 57, with the top student Briana Stremick, Langdon Middle School, finishing 194 out of 227. Other members of the state team included Kyle Mittlieder, Bishop Ryan High School, Minot; Levi Kingery, Edinberg Public School; and Jared Eamon, Jamestown Middle School. The state team coach was Dawn Zinke from Jamestown Middle School.

## President's Report

### Dean Wieland, PE, NDSPE

NDSPE has been busy planning our annual meeting in Fargo on April 4th and 5th. In addition to the annual meeting, the NDSPE Board will be meeting with NSPE Consultant, Annette Petrick. Annette will be presenting the NSPE Road Show, which is a one-day interactive session to cooperatively develop a membership initiative plan for our State. Annette has successfully developed plans for many other states combining NSPE and State interest. The Board is looking for input, ideas and suggestions from all chapters and their members on ways to increase memberships. Please provide your input through your local Chapter President and or directly to President Elect Roger Kluck (President-Elect@NDSPE.org or 701-852-0338) or myself (President@NDSPE.org or 701-746-7459.)

At the NSPE National level, it has been another active year. Kevin Nelson, Sec/Treas. and Mary Nelson, Executive Secretary recently attended the National Convention in Washington, DC and will be reporting more on that meeting. Since the September 11th attack, NSPE has been working closely with Tom Ridge on the role professional engineers can play in homeland security issues and the protection of our infrastructure systems.

The NSPE American Engineering Campaign is in full swing with a goal of informing the public on the work engineers do and the positive effects on every aspect of our everyday life. There have been several media events on the role of engineers both in the print media and network news and one of the programs developed was "Put the Brake on Fatality Day." This program was developed by Larry Emig from the Kansas DOT. Larry is also currently running for the Regional Vice President of our seven-state North Central Region.

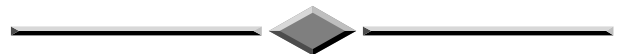
On the state level, NSPE has asked us to develop a State NDSPE strategic plan which would compliment the NSPE strategic plan. The Board has developed a draft strategic plan that is included on p. 11 of this issue of the newsletter and we would welcome any comments or suggestions from the members. A final version of the strategic plan will be adopted at the April Board Meeting.

During this last year the Board has received a number of requests from companies, businesses or groups wanting

to place company information, job opportunities or other relative information in the newsletter. Don Andersen and the publications committee are studying this issue and will make preliminary recommendations for discussion at the April Annual Meeting.

The other issue the Board is working on is the development of enabling continuing education through the State Legislature. Currently, Kevin Nelson is working with the Registered Land Surveyors, other interested parties and our state legislators to bring a proposal before the 2003 Legislature. NSPE strongly supports continuing education and many states have already passed continuing education guidelines. Continuing education is an idea whose time has come and if we as engineers do not address it, it may be forced on us and our engineers may face reciprocity problems as they try to get registered in other states. I realize there are some concerns regarding the cost and commitment of time for continuing education and that is why your input to the Board is important. We will be discussing this issue at the April meeting and would welcome your comments, concerns and suggestions.

I sincerely hope that each of you will consider attending the NDSPE annual meeting in Fargo on April 3rd and 4th at the Doublewood Inn and look forward to seeing you there. In talking to Wayne Larson we will be having some good technical information sessions and are offering up to four (4) professional development hours for those interested. If anyone has any suggestions or concerns you would like to discuss, please e-mail or give me a call.



# NDSPE SECRETARY/TREASURER'S REPORT

Kevin G. Nelson, PE/LSI

## Annual Meeting Time

It has been a short winter, passing quickly because the beautiful weather we had at the beginning of it. With the passing of winter comes the annual meeting. The meeting will be in Fargo this year. Let's all extend a hardy thanks to Chapter 4 for hosting and organizing the meeting. This is the opportunity for our general membership to assist with the governance, guidance and leadership of our society. Please make an effort to attend.

Your board of directors has been working hard, conducting the business of NDSPE. Please remember to express your appreciation for the Board's work to your local Board member.

Some of the events and topics of the annual meeting include nominating three individuals for a position on the Board of Registration and electing officers for the coming year. Offices open for election to the state society are the Secretary/Treasurer, the Vice President and the President-Elect. If you are interested in any of these offices, or in serving on the Board of Registration, contact one of the Society officers. Contact information can be obtained from our web site, [www.NDSPE.org](http://www.NDSPE.org).

## Website

NDSPE does have a web site. If you have not visited the site, you can check it out at [www.NDSPE.org](http://www.NDSPE.org). Any, and all, suggestions on content and improvements are welcomed and encouraged. If you have something you would like to see on the web site, or something you would like to see changed on it, e-mail your suggestions to [Secretary@NDSPE.org](mailto:Secretary@NDSPE.org).

## At National

This article is being written on the return trip from Washington, DC. Mary, our Executive Secretary, and I attended NSPE's Winter Meeting. National is working hard at making the Society more "User Friendly." In this effort, they are offering several products and services to promote the Society and benefit the members. The various products and services can be seen on their web site, [www.NSPE.org](http://www.NSPE.org).

At the meeting, we participated in the Consensus Congress, a part of NSPE's Strategic Planning Process. Some of the issues that the Strategic Plan will address include membership (retention and promotion), licensure, continuing education, and the image campaign. Some issues were debated rather heatedly, while others received little discussion.

Our National Society has the mindset of reaching out to the regions, the states and the individual members. The staff and officers are trying to make themselves as available to us as is feasible. If we want to plan any activities, such as training seminars that involve staff or officers, national will send the necessary people to us. We will be expected to pay for their meals, registrations and rooms.

## Words of Wisdom (?)

During our journey through, and our struggle with the angst of life we oftentimes need little tidbits of information to help us cope. Following are a few tidbits of sage advice I have gathered:

1. Timing has an awful lot to do with the outcome of a rain dance.
2. Never miss a good chance to shut up.
3. A closed mouth gathers no foot.
4. No one is listening until you make a mistake.
5. If you tell the truth you don't have to remember anything.
6. It is far more impressive when others discover your good qualities without your help.
7. Experience is something you don't get until just after you need it.
8. Never mess up an apology with an excuse.
9. It may be that your sole purpose in life is simply to serve as a bad example to others.
10. Before you criticize someone, you should walk a mile in their shoes. That way, when you criticize them you're a mile away and you have their shoes.

## Your Society

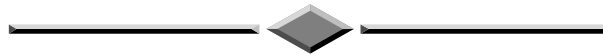
NDSPE is stable and alive. Although our membership growth has been rather flat recently, we have not lost members. We have a few members whose dues are delinquent. If you are one of them, please do not let your membership lapse. We truly value you as part of our Society. We all need to make a concerted effort to not only recruit new members, but to also retain our existing members.

Our Society is operated, governed, and kept alive by a team effort. As members of the Society, we are all members of that team. There is an African saying that goes *“Each person is just like everyone, just like someone, just like no one.”* Quite simply, it means we are individuals, working as a team, for the benefit of all. Please consider being a part of that team by serving at

the chapter, state, regional or national level as a committee member or an officer.

It is a pleasure to serve as NDSPE’s Secretary/Treasurer. Thank you for your trust and confidence in me.

Er. Kevin G. Nelson, P.E./L.S.I.  
NDSPE Secretary/Treasurer  
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(701) 258-1110  
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[www.NDSPE.org](http://www.NDSPE.org) (web site)



## NDSPE EXECUTIVE SECRETARY’S REPORT

Mary B. Nelson

### NSPE Winter Meeting

Kevin and I attended the NSPE Winter Meeting in Washington D.C. It was a great experience. NSPE is making great leaps and bounds to service the state societies. One way is a program called 24/7 online data system. It is an updated and improved way to provide data to the state and chapters. On this system the membership report, new member roster, dropped member roster, financial report can be downloaded. Designated chapter officers are able to access information for their chapters after a login number is created from NSPE. If anyone is interested, let me know and I’d be happy to direct you on how to get started.

### NDSPE Membership

Although membership is up one compared to December 2000, our non-student membership is actually down by 15. The comparison is as follows:

Membership through Dec. 2001:	
PE’s	180
Members	81
Students	68
<b>TOTAL</b>	<b>329</b>
Membership through Dec. 2000:	
PE’s	176
Members	100
Students	52
<b>TOTAL</b>	<b>328</b>

The financial standing of NDSPE is good. Assets total approximately \$23,000. All accounts are at BNC National Bank in Bismarck.

# News from the State Board of Registration

By Clifford E. Keller, Executive Secretary

## A Quick Look Back at 2001

In September, Gene Jackson, PE/LS was appointed to a five-year term on the State Board of Registration. Mr. Jackson replaced Monte Phillips whose term expired. James Jorgenson was elected as Board Chair in July. He will serve in that capacity until July of 2002. During his time on the State Board, Mr. Phillips was elected to the positions of Board Secretary, Vice Chair and in

2000-2001, Mr. Phillips served as Board Chairman. Also while serving as a member of the State Board, Monte was very active in the affairs of the National Council of Examiners for Engineers and Surveyors (NCEES.) having served on and chairing several NCEES committees. In recognition of his efforts at the national level, the State Board has nominated Mr. Phillips for a Distinguished Service Award from NCEES.

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## Know Your State Board

Name	Position on Board	Professional Status	Board Term Ends
James Jorgenson	Chairman	President, Metal Building Software, Inc. (Fargo)	7/1/02
Gary Arman	Vice-Chairman	President, Arman Engineering & Testing, Ltd. (Bismarck)	7/1/03
Rolly Ackerman	Secretary	Owner, Ackerman & Associates Surveying (Minot)	7/1/04
Lawrence Woodbury	Member	President, Houston Engineering, Inc. (Fargo)	7/1/05
Gene Jackson	Member	President, Kadrmas Lee & Jackson (Dickinson)	7/1/06

The Board is to consist of four engineers and one land surveyor. Mr. Ackerman serves as the land surveyor member of the State Board of Registration.

The State Board staff members include Candie L. Robinson, Board Investigator and Clifford Keller, Executive Secretary. Staff may be reached at 701-258-0786 or [brdofreg@btigate.com](mailto:brdofreg@btigate.com)

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## Board Web Page

The State Board's web page is nearly complete. It should be completed by the date of the next State Board newsletter which will be sent out in late April or early May. Instructions on how to get to the web site will be contained in the newsletter.

One hundred and sixty seven individuals took the Fundamentals of Engineering (FE) examination on October 26, 2001. The examination was given at Bismarck State College, NDSU and UND. North Dakota's overall passing rate was 82%, which is approximately 5 percentage points above the national average. On October 27, 2001, twenty-nine individuals sat for the Principles & Practice of Engineering (PE)

## Results from October, 2001 FE and PE Examinations

examination. Fifteen individuals passed the examination with scores of 70 or more for an overall pass rate of 52%. First time takers of the examination passed the examination at a rate of 75% while the success rate for persons taking the examination for the second or more time was 31%. Some individual discipline pass rates included a zero pass rate for the three individuals who took the electrical examination. Eight of the ten first time takers of the civil examination were successful in passing the examination. With the change in the mechanical examination in April of 2002, all PE examinations are now based on a Breadth and Depth format with all of the questions being multiple choice. In the Breadth & Depth format, all individuals have to solve the same four or five problems in the morning and then in the afternoon have an opportunity to select a set of questions from one of the sub-disciplines of the particular area of engineering. For example individuals taking the civil exam may chose to select the transportation engineering module or they may select the geotechnical or structural modules during the afternoon session. Generally speaking, the pass percentage on PE exams has increased very slightly since the advent of the multiple-choice exams and the discontinuance of the essay problem answer format.

### **Examination Schedule Announced for 2002**

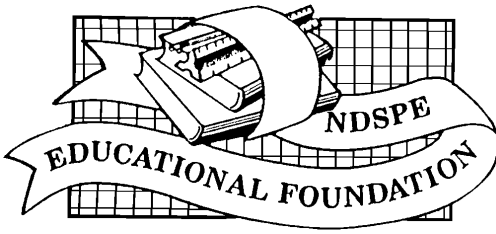
The Fundamentals of Engineering (FE) and Fundamentals of Land Surveying (FLS) examinations will be administered on April 20, 2002 and October 26, 2002. The FE examination sites include BSC, UND and NDSU while all FLS examinees must take the exam at BSC. Both the FE and FLS examinations are eight-hour closed-book exams. The Principles and Practice of Engineering (PE) and Principles & Practice of Land Surveying (PLS) examinations will be given on April 19, 2002 and October 25, 2002 at BSC. The PLS is a six hour open book exam while the PE is an eight hour open book examination. The deadline for the April exams is January 1st and the deadline for the fall examinations is July 1st. The Chemical, Civil, Electrical, Environmental, Mechanical and Structural I PE exams are offered during the spring and fall examination administrations while the remainder of the PE examinations are only offered during the fall examination. Examination fees are PE - \$ 110.00; PLS - \$120.00; FLS - \$75.00 and FE - \$60.00. Additional information on the various examinations may be accessed at [www.ncees.org](http://www.ncees.org). Other questions should be addressed to the State Board office.

### **NCEES "Model Law Engineer" Explained**

Many of you have called the State Board office to inquire about the NCEES Registration File Program and the NCEES Model Law Engineer designation. NCEES offers a service by which it gathers the information that is usually requested in registration applications and collates it into a packet which is sent to various state boards where registration is sought. A representative file would include FE and PE examination verifications, verifications of previous registrations, copies of applicable college transcripts, professional experience descriptions and engineer references. The references and the original registration data are updated on an annual basis as well as a statement from the record holder that he/she continues to be employer in an engineering position along with a description of the job duties. When the record holder wants to become registered in a particular state, he directs NCEES to send his registration packet to that state board. Usually everything that is needed for registration is included in that packet. NCEES furnishes this service for a tee. Details can be secured at [www.ncees.org](http://www.ncees.org). A NCEES Model Law Engineer is one who meets the following tests: possesses an ABET baccalaureate engineering degree, has taken and passed the eight hour NCEES FE examination and the eight hour NCEES PE examination, has a record clear of disciplinary action and has completed four years of acceptable engineering experience following baccalaureate degree graduation. The distinction is important as in some states, your application is expedited allowing you to complete the registration much quicker and usually with a minimum of paperwork. In North Dakota, a Model Law Engineer application is only two pages and can be approved for registration by the board staff. NCEES "Model Law Engineer" status is given to any NCEES record holder who qualifies. NCEES registration may be a cost-effective option for an engineer who must get registered in multiple jurisdictions.

### **Some ND Engineering Statistics**

Currently there are two thousand, one hundred, twenty-two (2,122) professional engineers registered in North Dakota. Of this number, one thousand, four hundred; thirty-five (1,435) or 68% live outside of North Dakota. Of the out-of-state PE's, three hundred, eighty-seven reside in Minnesota, fifty-nine reside in Montana and fifty-four live in South Dakota. This leaves six hundred, eighty-seven who reside in North Dakota. The PE and RLS numbering system is now up to 4787. With the growth in PE and LS registrations, we should reach 5000 in early 2003.



# NDSPE EDUCATIONAL FOUNDATION REPORT

By Kevin G. Nelson, PE/LSI – Foundation Secretary/Treasurer

## Foundation Information

In 1984, the North Dakota Society of Professional Engineers (NDSPE) established its Educational Foundation to start an endowment that would generate money for engineering scholarships. Today, the Foundation distributes approximately \$1,200 in scholarships each year.

The North Dakota Society of Professional Engineers Educational Foundation is operated exclusively for the educational benefit of North Dakota engineering students who are residents of North Dakota. It is run by a board of trustees, comprised of officers and members of NDSPE.

The Foundation provides scholarships with the investment return income from donations received from individuals, societies and companies. Two classifications of money comprise the Foundation’s assets. They are “restricted funds” and “unrestricted funds.” Contributions and gifts to the Foundation become “restricted funds,” meaning they cannot be spent or disbursed. Return on investment becomes “unrestricted funds,” which can be spent on operating costs or disbursed as scholarships.

In order to disburse more money as scholarship dollars, especially when investment return rates are near historic lows, we must increase our investment assets. The primary method of accomplishing this is to encourage NDSPE members and other engineers and engineering companies to contribute more to the Foundation. Please consider making a contribution to the NDSPE Educational Foundation.

## Fund Drive

The Foundation extends a sincere “Thanks” to Er. Richard Anderson, P.E. for sending out a recent request for contributions. This most-recent fund drive garnered nearly \$2,000 for the Foundation. This campaign increased the Foundation’s restricted funds assets to nearly \$30,000.

## Summary

The following information is the summary report of financial activity for the calendar year 2001.

CD#	Account Value	Interest Rate	Maturity Date	Term (mos.)	Recent Earnings *
363010370023	(Closed 10/11/01)	5.480%	10/11/01	22	\$456.33
	\$0.00				\$456.33
<b>Savings Account</b>					
266604014545	\$0.00	(Closed 10/11/01)	Year End Balance		
20009208	\$29,216.09		Year End Balance		
<b>Total Assets</b>	<b>\$29,216.09</b>				
Restricted Funds	\$27,503.64	Funds Donated or Contributed to the Foundation			
Unrestricted Funds	\$1,712.45	Funds Available for Distribution			

This summary shows assets as deposited in our bank accounts as of 31 December 2001. Contributions received at the end of last year were not deposited until January 2002. Consequently, they are not reflected in the summary for 2001 but will appear in the report for 2002. These contributions amount to approximately \$1,570.

## Board of Trustees Officers

At the annual meeting of the NDSPE Educational Foundation Board of Trustees, held 6 April 2002, the Board of Trustees elected the following individuals to the respective offices:

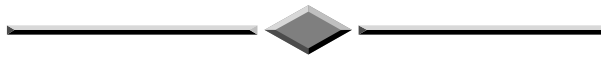
- ✓ President – Er. John Thompson, P.E.
- ✓ Vice President – Er. Jeff LeDoux, P.E.
- ✓ Secretary/Treasurer – Er. Kevin G. Nelson, P.E./L.S.I.

## Website

The Foundation has a web site, located at [www.Foundation.NDSPE.org](http://www.Foundation.NDSPE.org). This site contains information about the Foundation, lists of scholarship recipients and lists of donors. It also contains information on how to donate to the Foundation. If you have something that you would like to see on the web site, or something you would like to see changed on it, or if you would like more information on the Foundation, send an e-mail to me at [Secretary@NDSPE.org](mailto:Secretary@NDSPE.org).

## Your Contributions are Needed

In order for the Foundation to give larger scholarships, we need to receive your contributions. Please consider helping our engineering students finance their educations. Give to the Educational Foundation. Contributions can be sent to the address below:



## Advertising in the *North Dakota Professional Engineer?*

By Don Andersen, Chair NDSPE Publications Committee

David Oreck, inventor of the 8-lb Oreck vacuum cleaner, recently spoke to students and faculty at NDSU. He said that with any new idea that is brought to him, he always asks for five reasons why it would work before individuals are allowed to suggest why it wouldn't work. In the case of adding advertising to the *North Dakota Professional Engineer*, it would -

1. Generate revenue for NDSPE.
2. Allow our engineering firms to list their services.
3. Provide readers with employment opportunities.
4. Provide employers with a recruiting tool.
5. ????

Having listed the five pluses, and this is mostly Don Andersen speaking, the Publications Committee can see some challenging aspects of advertising.

1. Rates and sizes of ads would have to be set.
2. Standards for what could be advertised would have to be established and policed.

3. The treasurer would need to do additional bookkeeping and billing.
4. The ratio of advertising compared to "news" in the newsletter would need to be set.

The topic of advertising in the newsletter is on the agenda for the Annual Convention in April so please come prepared to discuss this issue. In the mean time, feel free to contact any of the Publications Committee members.

- Don Andersen-Chair
- Greg Johnson Chap 1
- John P. Westby Chap 2
- Dale Heglund Chap 3
- Dain Miller Chap 4
- Kevin Nelson NDSPE

## **Chapter 1 News - Grand Forks**

### **Scott D. Zainhofsky, EIT, Chapter President**

This year has once again been a year of continuing-education style speakers for Chapter 01. In January, Mr. Greg Gust of the national Weather Service spoke about updates to the flood-forecasting model for the Red River Valley. Thankfully, it appears that this spring will be kind to us weary flood fighters (knock on wood, cross your fingers and all those other superstitious hymns). We also started strong efforts by our Awards Committee to generate nominations for the Young Engineer of the Year and Project of the Year awards.

February was a busy month for Chapter 01. The month started out with a huge effort by Mr. Bruce Dockter to organize the Grand Forks County Mathcounts judging. Thanks to his efforts Mathcounts was once again a huge success. Then, at our monthly meeting, Mr. Hank Hauge of Master Builders spoke about self-compacting concrete. Additionally, Mr. Greg Johnson, Chapter 01 Secretary, presented his rough draft of proposed by-laws. As you may recall, our previous by-laws were apparently lost to mother nature. However, thanks to the efforts of Mr. Johnson we will soon have a document that can be approved by our membership. Thank you for all of the hard work, Greg and Bruce.

Chapter 01 did not hold an E-Week banquet, this year. Typically, we have done this in conjunction with UND's banquet. However, UND decided to break with tradition this year and hold an informal luncheon and open house. This was a nice change of pace for those of us who tend to have too many formal meetings. Unfortunately, this arrangement did not allow us to publicly recognize UND's top engineering students, however. Those students, as chosen by engineering faculty, are Seniors Brian Larson (ME) and Adrienne Lukaski (ChE), Juniors Andy Steiner (EE) and Jeffrey Gauderman (ME), and Sophomore Anton Klein (EE). Congratulations to these tremendous future leaders of the engineering professions.

## **Chapter 2 News - Minot**

### **Roger Kluck, PE, Chapter President**

Roger Kluck and Lon Drevecky of Chapter 2 assisted in proctoring the MathCounts contest held at Minot State University and in the presentation of awards. Roger

attended the Chapter 4 engineers' week banquet where he presented a number of engineering awards of behalf of the North Dakota Consulting Engineers Council.

## **Chapter 3 News - Bismarck/Mandan**

### **Brian Schuck, EIT, Chapter President**

Chapter 3 held its engineers' week banquet on February 22<sup>nd</sup>. Scholarships were awarded to BSC students Jason Strand and Joseph Oakland. In addition, \$250 was contributed to the BSC Fund.

Chapter 3 participated in the ball bearing roller contest for junior and senior high students by providing judges and funds for prize money and administration of the contest.

April activities will include the sponsorship of Jack Bacon's visit to Bismarck. As a member of NASA, Mr. Bacon will make appearances at schools in Bismarck plus a general presentation to the public at BSC.

## **Chapter 4 News - Fargo**

### **Dain Miller, PE, Chapter Secretary**

The Chapter 4 engineers' week banquet was held on February 22<sup>nd</sup> and a number of awards were presented. Dain Miller was selected as the 2001 Young Engineer of the Year. Miller has been employed by Ulteig Engineers in Fargo since 1988.

Moore Engineering earned the 2001 Outstanding Design award for its design of the Charleswood and Burlington Storm Water Retention system in West Fargo.

Ronald Williams, chair of the department of technology at Minnesota State University Moorhead, was presented the 2001 Outstanding Service award.

In other news, the January meeting included a presentation by Athletic Director Gene Taylor on NDSU's going NCAA Division I. (Steve Synhorst: Here's where you yell, "Go Sioux.")

The chapter will hold regular meetings during March and April and conclude the year with a picnic and golf tournament in May.

# **NORTH DAKOTA SOCIETY OF PROFESSIONAL ENGINEERS**

## **STRATEGIC PLAN**

### **Vision**

The North Dakota Society of Professional Engineers (NDSPE) is the organization that promotes, defends, and represents the professional interests of all engineering professionals in the state.

### **Mission**

- ✓ The Mission of NDSPE is to promote the ethical and competent practice of engineering and to advocate licensure.
- ✓ Serve the needs of and enhance the image and well being of all engineering professionals.
- ✓ Promote the involvement of engineers in society.
- ✓ Advocate legislation and public policy for the betterment of society and our profession.

### **Core Values**

- ✓ Provide service to and protection of the public.
- ✓ Advocacy of the engineer's role, contributions, and obligations to society.
- ✓ Fulfillment of member and chapter needs.
- ✓ Influencing public policy (legislative and public involvement).
- ✓ Promote engineering competency through continuing education.

### **Goals**

- ✓ Promote the competent, ethical and professional practice of engineering.
- ✓ Advocate and promote licensure.
- ✓ Serve the needs of and enhance the image, stature and well being of all engineering professionals.
- ✓ Advocate the interests of engineering professionals and protect the public through an effective government relations program.
- ✓ Provide education, career development and net working opportunity programs to students and engineering professionals.
- ✓ Encourage member involvement in community service.

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c/o Department of Civil Engineering and Construction  
North Dakota State University  
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**Nominations to Offices in NDSPE**  
**Steve Smith, P.E., Nominations Committee Chair**

President	Roger Kluck	Chapter 2
President Elect	Don Andersen	Chapter 4
Vice President	Gary Doerr	Chapter 3
Secretary/Treasurer	Kevin Nelson	Chapter 3
Board of Registration	Jim Jorgenson	Chapter 4
	Dean Wieland	Chapter 1
	Tom Atkinson	Chapter 2

Jim Jorgenson will complete a five-year term on June 30, 2002, and has consented to be a candidate for a second term.