



# MESSAGE FROM THE CHAIRMAN

**Bijan Sharafkhani, P.E.**



**Bijan Sharafkhani, P.E.**  
*Chairman*

Louisiana Professional  
Engineering and Land  
Surveying Board

Members of the LAPELS Board attended the 82nd annual business meeting of the National Council of Examiners for Engineering and Surveying (NCEES) that was held on August 13-16, 2003, in Baltimore, Maryland. Typically at the national meeting, various committees and task forces present their work products in a form of motions or recommendations. At this year's meeting there were also numerous recommendations/motions made to amend or supplant the existing rules. Among many changes proposed, there were two recommendations/motions that could have direct effect on our candidates for licensure. The first was a motion, narrowly approved by the Council, made by the Examination Security Task Force's to have the Uniform Procedures and Legislative Guideline (UPLG) Committee amend the Model Law to limit the number of P.E. retakes. Under this motion, candidates with three or more unsuccessful attempts on an NCEES

examination, regardless of jurisdiction where the exam was taken, would be required to submit a new application to their respective Boards to be qualified for the future administration of the same examination. The motion further stated "if qualified by their respective Boards, applicants must wait twelve months before being allowed for the next scheduled examination. At the end of the twelve months period, the applicants may take that exam no more than once every calendar year". The key word here is re-qualification, and what are the requirements for re-qualification. The pundits contend that re-qualification means remedying subject deficiencies by mastering additional college credits (as many as twelve hours). Indeed, in some jurisdictions this requirement has already being implemented. There are two schools of thought on this proposal: firstly, there are those who argue that, statistically speaking, the probability of a candidate passing the exam on the

first try is higher than the subsequent tries. Thus, failing several attempts indicate that the candidate is lacking knowledge in specific subject areas. These subject areas could be found on the test results breakdown supplied to the candidates by NCEES. Secondly, there are those who rebuff this notion and contend that this is contrary to the policy of licensure promotion. They further emphasize the fact that some candidates are not good exam takers and they should be encouraged to retake the exam instead of being rebuked. Rest assured that once UPLG proposes this rule change, it could face stiff opposition from various jurisdictions. The other issue at the national meeting worth mentioning was a motion to ban certain types of communicating calculators at the exam. Although, this motion was defeated, NCEES because of the exam security concerns, opted to cite NCEES Exam Policy 15, which prohibits these calculators at the exam beginning from April 2004. Calculators with communication or text editing capabilities include, but are not limited to, HP 48GX, HP 49G, TI-83, TI-9, TI-92 and Voyager 200. For more information, please visit our web site [www.lapels.com](http://www.lapels.com).

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Bijan Sharafkhani, P.E.  
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# GOVERNOR APPOINTS TWO NEW BOARD MEMBERS

**G**overnor Foster has appointed Timothy J. Allen, P.L.S., replacing Charles G. Coyle, P.E., P.L.S. and Paul N. Hale, Jr., Ph.D., P.E., replacing Bobby E. Price, P.E. effective August 31, 2003. Both are to serve the Board for six years.

**Timothy J. Allen** is a 1983 graduate of Louisiana State University with a baccalaureate degree in Engineering Technology. He began his surveying career with Tenneco Oil Company during the summer breaks while attending LSU. Upon graduation, Mr. Allen was employed by Gulf South Engineers, Inc., a professional Engineering and Land Surveying Consulting Firm in Houma. Mr. Allen held the position of Surveying Department Head when he left the firm in 1990 to pursue a career in the Oil and Gas Industry.

His career in the oil and gas industry began with Fina Oil and Chemical Company, and then through a series of buy-outs was employed by Castex Energy, Inc. and eventually Apache Corporation. Mr. Allen currently holds the position of Assistant General Manager of Apache Louisiana Minerals, Inc., a subsidiary of Apache Corporation, which is responsible for surface management of over 269,000 acres of land in South Louisiana in the parishes of Terrebonne, Lafourche, Cameron, Iberia, Vermilion and Plaquemine. Mr. Allen is also actively engaged in oil and gas surveying projects for Apache Corporation.

Mr. Allen is a registered Professional Land Surveyor in Louisiana, Texas and Mississippi. He is a past president of the Louisiana Society of Professional Surveyors, having served on the board of Directions for six years. He has served on several committees of LSPS including the PLS Exam Preparation Committee, Continuing Education Committee and Professional Practices Committee. Mr. Allen is commissioned as a Notary Public in Terrebonne and Lafourche Parishes. He is a member of the National Society of Professional Surveyors, American Congress on Surveying and Mapping,

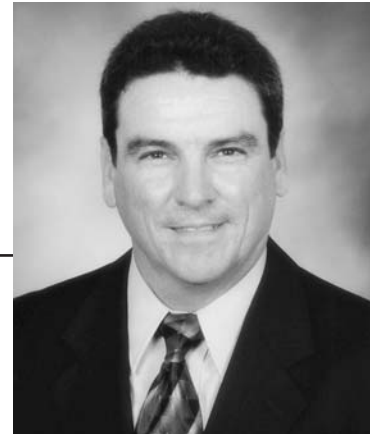
Texas Society of Professional Surveyors and the Mississippi Association of Professional Surveyors.

Mr. Allen is a committee member of the Houma Chapter of Ducks Unlimited. He currently serves as President of the Bayou Chapter of the Coastal Conservation Association (CCA) of Louisiana, and is a member of the CCA State and National Board of Directors. He received the 2003 Distinguished Service Award from CCA Louisiana. He is a member of the Houma Terrebonne Chamber of Commerce and serves on their Coastal Restoration/Hurricane Protection Committee.

Tim and Vickie, his wife of sixteen years, reside in Houma, Louisiana. They have two children; Jacob (14) and Chelsea (11). Tim's hobbies include spending time with his family, hunting, fishing, camping and watching his children participate in their sporting events. He is also a Hunter Education Instructor as certified by the Louisiana Department of Wildlife and Fisheries, and coaches a Youth Hunter Education Challenge (YHEC) Shooting Team.

**Paul N. Hale, Jr.** is a 1965 graduate of Lamar Tech with a Bachelor of Science degree in Industrial Engineering. He obtained a Master of Science in Industrial Engineering from the University of Arkansas in 1966 and the Doctor of Philosophy in Industrial Engineering from Texas A&M University in 1970. Dr. Hale is a licensed professional engineer in Louisiana.

Dr. Hale is employed at Louisiana Tech University and holds the positions of Associate Dean for External Programs in the College of Engineering and Science, and Academic Director for Electrical Engineering, Electrical Engineering Technology and Computer Science. He has served as a faculty member in Industrial Engineering and Biomedical Engineering, and has previously served as the Department Head of Industrial and Computer Science, Department Head of Biomedical Engineering, and Director of the Center for Biomedical Engineering and Rehabilitation Science. Dr. Hale also



**Timothy J. Allen, P.L.S.**



**Paul N. Hale, Jr., P.L.S.**

serves as the Director of the Louisiana Tech's Technology Transfer Center in Shreveport.

At the national level, Dr. Hale has been active in engineering education and academic program accreditation. He has served as Chair of the Biomedical Engineering Division of the American Society for Engineering Education and Chair of the Council of Chairs for Bioengineering and Biomedical Engineering. Dr. Hale has been active in academic program accreditation for the past 13 years and is an ABET program evaluator for academic programs in biomedical engineering and electrical engineering. For the past nine years, he has served on the IEEE Committee on Engineering Accreditation Activities and currently serves as Chair of the Biomedical Engineering Society's Accreditation Activities Committee. He is a member of the ABET Board of Directors representing the Biomedical Engineering Society.

*(continued on page 6)*

# UNO'S ENGINEERING EDUCATION PROGRAMS AND THE FE EXAM

By: **Kenneth L. McManis, P.E., P.L.S.**

The College of Engineering at the University of New Orleans (UNO) is implementing a policy that will benefit the individual's career after graduation, promote professional licensure, and provide a method to measure the university's performance in accreditation efforts. The policy requires that the graduating UNO student demonstrate a working knowledge of engineering fundamentals. This is accomplished in the Senior Seminar course which is taken the last year before graduation with a bachelor of science in one of the engineering disciplines. Among other objectives, this course promotes professional growth through licensure and the role of the engineer with respect to the protection and welfare of the public. The course is described as:

ENGR 3090 SENIOR SEMINAR 1 cr

Prerequisites: Graduating senior and permission of the student's department chairman. A three hour lecture and recitation session on current topics and contemporary issues in engineering. The role of the engineer in today's society, professional ethics, licensure, and technical societies are included. The student will be required to demonstrate a working knowledge of engineering fundamentals and to take the NCEES Fundamentals in Engineering exam.

To demonstrate proficiency in fundamental engineering subjects, the student must pass an eight hour exam that simulates the NCEES Fundamentals of Engineering Exam, i.e., a "mock FE exam." If necessary, the student will be given an opportunity to retake the exam when not successful on the first try.

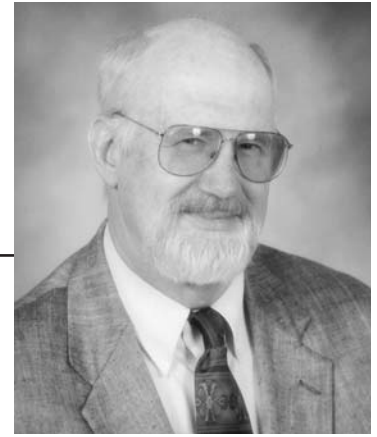
In addition to passing the mock FE

exam, the student is required to register and take the NCEES FE exam that is offered each semester. The results of the real exam are not available until the following semester. However, it is anticipated that success in passing the real exam will be greatly enhanced by the course. This requirement will help the student focus on the importance of having a good background in engineering fundamentals and should provide assistance in preparing for the FE exam. It is also the best time to take the exam since the student will have recently completed the courses covered by the FE exam. Statistics have shown that the longer one waits after graduation to take the test, the lower the pass-rate success.

With emphasis given to the importance of the educational background requirements for professional licensure, the UNO policy should put most of its graduates on a career path that includes the opportunity for licensure in the future. This will not only include those engineering disciplines in which licensure has traditionally been important, but will include those in which licensure has not been promoted. Hopefully, all graduates will be successful in passing the FE and be eligible for certification as Engineering Interns by their state registration boards. Also, the opportunity for future registration is ensured.

Not only is the graduate's career enhanced by passing the NCEES FE exam, but it also serves the university in maintaining its educational quality and its accreditation efforts.

The NCEES exam is a national, normalized exam. In reporting the results, NCEES not only provides pass-



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fail statistics, but also provides the comparative performance of the students at a university with others taking the exam from other universities in each subject covered by the exam. This permits the university program to review its coverage of the topic as measured by its graduate's success. It provides a measure of whether the program is achieving its academic goals and objectives. If the passing rate is not as high as desired, the faculty may then consider whether changes are in order.

The new policy is seen as an improvement that will benefit all parties. It supports professional licensure and puts the engineering graduates on the licensure path, providing flexibility for career opportunities. It also provides the university with a means for measuring its instructional performance on the engineering subjects covered.

## MARK YOUR CALENDAR

### LAPELS Board Meeting Dates

January 26-27, 2004

March 15-16, 2004

May 24-25, 2004

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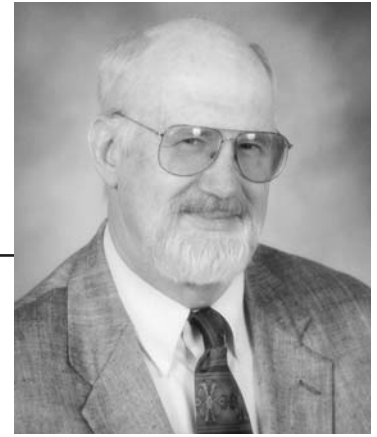
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### EXAMINATION SCHEDULE

Examinations in land surveying and in the Chemical, Civil, Electrical, Environmental, Mechanical, Structural I, and Structural II engineering disciplines are offered in the **spring and fall** of each year.

Examinations in the discipline of Naval Architecture & Marine engineering are offered **ONLY in the spring** of each year.

Examinations in all other engineering disciplines are offered **ONLY in the fall** of each year.

The professional examinations are offered on Fridays, and the fundamentals examinations are offered on Saturdays. Upcoming examination weekends include:

April 16-17, 2004	October 29-30, 2004
April 15-16, 2005	October 28-29, 2005

For the April, 2004 examination:

**(1) First-time applications** must be received by the Board Office not later than December 1, 2003. The COMPLETE application must be received by this date — incomplete applications may not be processed.

**(2) Applications other than first-time applications** must be received by the Board Office not later than January 26, 2003.

**(3) Student Intern applicants** must submit the completed application to their Dean of Engineering. They must also register with NCEES to reserve a seat for the examination and pay the examination fee required by NCEES.

Professional Engineering examinations are administered in Baton Rouge. The Fundamentals of Engineering examinations are administered in New Orleans, Baton Rouge, Lafayette and Ruston. All surveying examinations are administered in Baton Rouge.

### Governor Appoints

*(continued from page 4)*

Dr. Hale has been recognized nationally as a Fellow of the American Society for Engineering Education (2002) and a Fellow of the American Institute for Medical and Biological Engineering (1996). He received the Biomedical Engineering Society's Presidential Award in 2001 and the organization's Distinguished Service Award in 2003. In 1994, Dr. Hale received an Engineering Faculty Professionalism Award from the Louisiana Engineering Foundation.

His community activities include having served as President of the Wesley Chapel Water System (Lincoln Parish, Louisiana) and on the Community Advisory Committee of the North Louisiana Rehabilitation Hospital (Ruston, LA). He is on the Advisory Committee of the InterTech/Biomedical Research Park (Shreveport), a member of the Manufacturing Managers' Council (Northwest Louisiana), and a member of the Shreveport Science and Technology Council. Dr. Hale is a member of the Louisiana Vision 2020 Science and Technology Task Force.

Dr. Hale and his wife, Frances, live in Ruston, Louisiana and they are the parents of Tammy Hale Bratton and Eric T. Hale.

## New Registrants: for the Period of July 15, 2003 - October 20, 2003

#### PROFESSIONAL ENGINEERS

Abueg, Melecio D.  
 Aggarwal, Sandeep  
 Akers, Sterling D.  
 Aldrich, Luke A.  
 Anderson, Bradley C.  
 Barnwell, Paul R.  
 Barr, James L.  
 Baum, Donald L., Jr.  
 Bice, Robert G., II  
 Black, John R.  
 Boyd, Wayne K.  
 Brierley, Gary S.  
 Brown, David E.  
 Buck, James A.  
 Burger, Bryan M.  
 Butler, Alley C.  
 Chauhan, Baldev R.  
 Cleven, Timothy M.

Collins, Michael A.  
 Colvin, Jody J.  
 Converse, Brian K.  
 Cowan, Michael J.  
 Crawford, Susan L.  
 Crigler, Paul F.  
 Crum, Stephen T.  
 Cunningham, Daniel R.  
 Daigle, Eric E.  
 Dean, William G.  
 Dell, Harold L.  
 Dickinson, Nathaniel E.  
 Dieter, Julian S.  
 Doller, Wayne A.  
 Eldred, Brett W.  
 Eng, Tomme C.  
 Entwisle, Richard C.  
 Etemadi, Napelon  
 Freeman, Corbett L.  
 Gadbois, Larry A.

Gehrt, Gregory J.  
 Gilden, Jack K.  
 Hanson, Charles G.  
 Hanson, Daniel L.  
 Hartman, Gerald C.  
 Hasselbring, Lori C.  
 Heil, Robert A.  
 Henderson, Brian W.  
 Holdaway, Andrew J.  
 Hunt, William R.  
 Hussein, Mohamad H.  
 Jackson, Patricia L.  
 Jaks, Brian N.  
 Jensen, Eric D.  
 Jensen, Matthew L.  
 Johnson, James L.  
 Kehm, Charles F.  
 Kelley, Dennis G.  
 Kenney, Thomas J.  
 Kliever, Stephen B.

## New Registrants cont.: for the Period of July 15, 2003 - October 20, 2003

Lajoie, Douglas S.  
Laurence, William H.  
Lechtenberg, Kurt E.  
Lee, Kerry S.  
Linneman, Debra A.  
Logsdon, John D.  
Long, Ronald M.  
Lutz, Douglas B.  
Lyles, James E., Jr.  
Marino, Gennaro G.  
McGinnis, Daniel W.  
McKearney, John P., Jr.  
Meyers, Jason S.  
Minervino, Charles M.  
Moe, Meredith M.  
Morrison, Richard M., Jr.  
Munar, Rene C.  
Novotny, Gerald F.  
O'Dell, Michael P.  
Osberg, Carl L.  
Perez, Joseph M.  
Peters, Mark B.  
Pinigis, Paul J.  
Piper, Michael A.  
Poulos, Steven  
Predick, Paul R.  
Pugh, Michael L., Jr.  
Rachal, Jason G.  
Ramsden, Jerald D.  
Randall, Patrick D.  
Rauschenbach, Benjamin C.  
Richardson, Michael A.  
Riggs, Laura M.  
Rogers, Michael A.  
Rogers, Ronald H.  
Ronkartz, Brian M.  
Schaff, Robert L., Jr.  
Schaub, Steven W.  
Schmidt, Gene I.  
Scott, Harris N., III  
Seraji, Mohammad R.  
Shack, Pete A.  
Shanmugasundaram,  
Rengaswamy  
Shelt, Steven L.  
Silvis, Bryan J.  
Smith, Andrew H.  
Spitzer, Philip L.  
Spork, Jacob W.  
Stahr, Charles W.  
Stearns, Rogan  
Stell, Ralph W., III  
Stenlund, Gary G.  
Stephenson, Jeffrey D.  
Stonebraker, Todd R.  
Tan, Chin S.  
Taylor, Alfred E.  
Tribble, James A.  
Vaaler, Scott C.  
Vance, Brian M.  
Vanlandingham, Joshua J.

Ventry, William F.  
Volk, Bernhardt A.  
Wayne, Martin J.  
Wheaton, John L.  
Wittry, Dennis M.  
Zhang, Guo-Jie  
Ziehl, Paul H.

### ENGINEER INTERNS

Ali, Mohammed  
Ayap, Shanti E.  
Barillas, Ender E.  
Barrett, Matthew J.  
Benninghoff, William A., III  
Boogaerts, Aaron P.  
Brevelle, Scott J.  
Brown, Benjamin C.  
Cadenas, Carmen J.  
Cains, Joseph , III  
Campbell, Matthew D.  
Carroll, Doyle P.  
Chen, Jun  
Cross, Ryan E.  
EL Kheiashy, Karim T.  
Fayed, Asser A.  
Finnan, Robert J., III  
Giordano, Carrie L.  
Goodwin, Cheryl J.  
Gregg, James P.  
Inikori, Solomon O.  
Johnson, Brian D.  
Johnson, Mark D.  
Kaneda, Megan M.  
Lasseigne, Robie J.  
LeBlanc, Lawrence E., Jr.  
Littlefield, Christopher R.  
Masset, Kevin P.  
Matherne, Nathaniel J.  
Meduri, Nandagopal S.  
Morse, Ronald J., Jr.  
Mouney, Allison A.  
O'Brien, Chris L.  
Palmer, Eric R.  
Pearson, Benjamin L.  
Ryan, Michael J.  
Sanders, Russell W.  
Sangameswaran,  
Sivaramakrishna  
Silverman, Michael Z.  
Stassi, Ryan G.  
Tao, Cuihong  
Templeton, Elizabeth L.  
Vemuri, Sree K.  
Vicknair, Paul E.  
Wang, Lidong  
Wang, Xuyong  
Wang, Yongping  
White, Jason E.  
Wu, Qiang  
Zawaski, Susan M.

### LAND SURVEYOR INTERNS

Walsh, Rodney P.

### ENGINEERING FIRMS

Aker Kvaerner, Inc.  
Anderson Engineering Consultants, Inc.  
Ballard and Braughton Engineering, PLLC  
Benchmark Group, LLC  
Bowman Engineering, Inc.  
Capstone Engineering Services, Inc.  
Completion Specialists, Inc.  
CTA Inc.  
David Guttuso, A Professional L.L.C.  
E R I Installations, Inc.  
Engineered Fire Protection, LLC  
Fay Engineering Corp.  
Florence & Hutcheson, Inc.  
Globenet Environmental Group LLC  
Grecon Construction Engineers, Inc.  
Grooms Engineering, L.L.C.  
GW Engineering, Inc.  
Halliburton Energy Services, Inc.  
Harris Group Inc. Interstates  
Jacobs Civil Inc.  
Jesco Environmental & Geotechnical Services, Inc.  
Johnson & Pace, Inc.  
KBP & Associates, Inc.  
Khafra Engineering Consultants, Inc.  
LBYD, INC.  
M & H Enterprises, Inc. (Texas)  
Mader Engineering, Inc.  
MESA Associates, Inc.  
Northwest Tower Engineering PLLC  
Petrotech, Inc.  
Phillips Enterprises, Inc.  
Polyengineering, Inc.  
Prime Engineering Incorporated  
R C H Company, Inc.  
R. A. Giovanetti & Assoc. Consulting Engineers, Inc.  
Rice Engineering , Inc. of Wisconsin  
Stork Southwestern Laboratories, Inc.  
Tolunay-Wong Engineers, Inc.  
Traffic Engineering Consultants, Inc.  
Triad Design Group, Inc.  
Trinity Consultants, Inc.  
Triumph Engineering L.L.C.  
TRO/The Ritchie Organization, Inc.  
U S Infrastructure, Inc.  
Weidlinger Associates, Inc.  
Winzler & Kelly Consulting Engineers, Inc.

### LAND SURVEYING FIRMS

Alternative Positioning Solutions, L.L.C  
Benchmark Group, LLC  
Boundary Line, Inc.  
Mader Engineering, Inc.  
Stephen Barrett Gremillion's Surveying, L.L.C.  
W T and Associates, Inc.