

# Maryland Professional Engineer

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### Maryland Society of Professional Engineers

*A state society of the National Society of Professional Engineers*

- Promoting the ethical, competent and licensed practice of engineering
- Enhancing the professional, social and economic well-being of our members

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## MDSPE Fall Continuing Education Workshops

A two-day highway design short course, five stormwater management workshops, and a three-session short course on land development basics are scheduled this fall by MDSPE and the Maryland Section, ASCE. All of the workshops will be held at the Catonsville campus of the Community College of Baltimore County.

### Highway Design Short Course

The two-day highway geometric design short course, aimed at design professionals with one to five years of experience as well as mid-level managers, will be held on Oct. 20 and 21. Manoj Jha, PhD, P.E., will teach this course, which will offer extensive coverage of the AASHTO Green Book. Dr. Jha, an assistant professor at Morgan State Univ. and president-elect of MDSPE, is a director of ASCE-Maryland. This short course will also be sponsored by ACEC-Maryland. Members of the Council of Engineering Companies have also been invited to participate.

### Stormwater Management Workshops

Five workshops dealing with various aspects of stormwater management are being offered, all under the direction of Michael L. Clar, P.E., a past president of MDSPE and a nationally recognized leader in stormwater management and urban water resources.

#### ■ Stormwater Management in Maryland

—Oct. 6-7. This 2-day workshop is designed for engineers, landscape architects, surveyors, environmental regulators, and construction contractors involved with the design, review, construction, inspection and maintenance of storm-water management practices. The course provides a comprehensive review of all the essential elements needed to meet the requirements of the Maryland Department of the Environment and is based on the Department's Stormwater Design Manual.

#### ■ Design & Construction of Bioretention Systems – Oct. 20.

Bioretention is a terrestrial-based (up-land as opposed to wetland), water quality and water quantity control practice using the chemical, biological and physical properties of plants, microbes and soils for removal of pollutants from storm water runoff. This course is designed for surveyors, engineers, landscape architects, environmental regulators, hydrologists, and construction contractors involved with the design, review, construction, inspection and maintenance of stormwater management practices. The course provides a comprehensive review of all the essential elements related to the planning, design, construction, inspection and maintenance of bioretention facilities for low-impact development.

#### ■ Advanced Concepts in Stormwater Management Technology – Nov. 9.

Stormwater management technology is developing very rapidly. New control practices and concepts are being introduced throughout the mid-Atlantic and other regions of the US. This course offers an introduction and technical guidance on a number of topics in stormwater management not typically found Federal, State or County design manuals. These topics include: green building design and LEEDS certification; green roofs for SWM;

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Gov. Robert Ehrlich (r) greets MDSPE President John Rutt, PE (l) in the Governor's State House office as Past President Jonathan Blasco (c) looks on.

## Introducing Our 2005-2006 Officers



NSPE EXECUTIVE DIRECTOR AL GRAY, PE, F.NSPE, (r) installs MDSPE 2005-2006 Officers. Left to right are Jonathan Blasco, PE, past president; Wally North, PE, treasurer, Eduardo Acevedo, PE, secretary; David Thaler, PE, F.NSPE, vice president; Manoj Jha, PE, president-elect; and John Rutt, PE, president.

**PRESIDENT** John A. Rutt, P.E. Principal Engineer at the Southern Maryland Electrical Cooperative at Hughesville. He is a resident of St. Leonard. An electrical engineer and a MDSPE member since 1982, he earned his B.S. at the University of Delaware. He has served as an MDSPE chapter president, for two years as a state society vice president, and for the past year as president-elect. Phone: 301-274-448. E-mail [John.Rutt@smeco.coop](mailto:John.Rutt@smeco.coop).

**PAST-PRESIDENT** Jonathan Blasco, PE. Vice President of Mehaffey & Assoc PC, a civil engineering firm in Leonardtown. A civil engineer and an MDSPE member since 1995, he earned his B.S. at the University of Maryland at College Park. He has served as chapter president and as vice president and president-elect of MDSPE. Phone: 301-475-0406. E-mail [jblasco@Mehaffeyassociates.com](mailto:jblasco@Mehaffeyassociates.com).

**PRESIDENT-ELECT** Manoj K. Jha, Ph.D., PE. Assistant Professor of Civil Engineering, Morgan State University. He earned his Ph.D. at the University of Maryland at College Park after working for eight years at the Maryland SHA. He has served a president of MDSPE's Baltimore Chapter. Phone: 443-885-1446. E-mail: [mkjha@eng.morgan.edu](mailto:mkjha@eng.morgan.edu)

**VICE PRESIDENT** Issa Khozeimeh, Ph.D., PE. Division Manager for the Metropolitan Washington Airport Authority. An electrical engineer and a MDSPE member since 1977, he earned his B.S. and Ph.D. degrees at George Washington University. He has served as president of MDSPE's Potomac Chapter. Phone: 703-572-2833. E-Mail: [khozeimeh@hotmail.com](mailto:khozeimeh@hotmail.com)

**VICE PRESIDENT** David S. Thaler, P.E., L.S., F.ASCE, F.NSPE. Land Development President, D.S. Thaler & Associates, Inc. A civil engineer and a MDSPE member since 1971, he was educated at Lehigh Univ., where he received his B.S. in Civil Engineering in 1970, his MBA in 1971, His MA in 1978, and has completed all course work for his Ph.D. He has served as a president of our Baltimore chapter and was a founding member of our PEs in Construction practice group. Phone 410-944-3647. E-mail [dsthaler@dsthaler.com](mailto:dsthaler@dsthaler.com)

**SECRETARY** Eduardo Acevedo, P.E. A Baltimore County resident, he is a civil and environmental engineer and an MDSPE member since 1969, he earned his B.S. at University of Puerto Rico. He is a past president of MDSPE. Phone: 410-296-4732. E-Mail: [eacevedo@starpower.net](mailto:eacevedo@starpower.net)

**TREASURER** Wallace S. North, Jr, P.E. A "semi-retired" Towson resident, he works part-time at George, Miles & Buhr in Hunt Valley. A civil engineer and a MDSPE member since 1973, He is a past president of MDSPE and a Life Member of MDSPE and NSPE. Phone: 410-823-1001. E-Mail: [wallacen5@comcast.net](mailto:wallacen5@comcast.net)

## New Directions for NSPE

By John A. Rutt, P.E.  
President, MDSPE



*"The world hates change, yet it is the only thing that has brought progress."*

Charles Kettering

*(Charles Kettering was the inventor of the electrical starter motor ignition system, which was first installed in the 1911 Cadillac. He invented a number of other automobile related products, and founded Delco.)*

We are beginning a new fiscal year within MDSPE, after having a change of officers. My appreciation and thanks go to our immediate Past President, Jonathan Blasco, for his successful year at the helm. Thanks also are extended to Issa Khozeimeh, Manoj Jha, Ed Acevedo and Wally North. All of these gentlemen, as well as David Thaler, join me as your new State officers for 2005-06. So, a few changes in leadership were made as several of us moved up in office.

During Jonathan's tenure as President, MDSPE has been one of the few State societies that have seen a *positive* growth in membership. Thanks go to Issa, Bob Mead, our Executive Director, and to Artesha Thomas at NSPE for this growth. We hope to continue this trend through this year.

Another direction we need to investigate is the continuing education issue. Maryland is one of twenty-one States that do *not* require continuing education for professional engineers, but do have such requirements for doctors, attorneys, and even hairdressers! Maryland architects and surveyors have continuing education requirements now. Do we want to allow someone other than engineers to write our law for us, or do we want to do it ourselves? My vote is for the latter.

*"If you want to kill any idea in the world, get a committee working on it."*

Charles Kettering

Perhaps that is why the NSPE had a "task force" rather than a "committee" to investigate where NSPE was headed and to make recommendations for change. Nothing was sacred. As a result of their investigations, *many* changes are going to take place at NSPE. Yes, exciting things are yet to come. I urge everyone to go to the following web site link on NSPE's home page, download the **Action Plan** of the Future Directions Task Force, dated June 20, 2005 and read it: [http://www.nspe.org/fdtf/Action\\_Plan\\_FDTE.doc](http://www.nspe.org/fdtf/Action_Plan_FDTE.doc)

At the NSPE Winter Meeting in San Diego last January, those present overwhelmingly voted in favor of the recommended changes the FDTF identified. The structure of NSPE will be changed to shift the emphasis of the society toward registered Professional Engineers, engineer interns, and the State societies. A new mission statement was approved as well to emphasize the above. *Please read the Action Plan.* Pay particular attention to the

Governance Model. There will be a House of Delegates and a Board of Directors at NSPE. The House of Delegates will, in the future, elect members to the Board of Directors and NSPE officers. The role of the regions will be revised, eliminating the Regional Vice Presidents. (Sorry, Jim.) If the FDTF's proposed revisions to the Constitution and Bylaws of NSPE are approved by 2/3 of the membership, they will then have to be ratified by the current Board of Directors in October. The House of Delegates will then convene for the first time in July 2006 at the Annual Meeting in Boston, Mass. To that end, we must review our Constitution and Bylaws and make the necessary changes to get MDSPE in step with NSPE and to include the new national officer positions. Therefore, I will be appointing a task force of my own to conduct this review. We need to act promptly on this since this should be done prior to the Board of Directors meeting in October.

Though the role of the regions is being eliminated, NSPE encourages state societies to meet with one another. At the Northeast Regional meeting on July 10, 2005, those present stated they intended to continue to meet as a group. The next meeting is in November in Portland, NH.

In summary, there are many new directions that we may take during the coming year. If any of the issues that I have mentioned above are of interest to you such that you would like to be involved, please let me know. Again, I look forward to serving you as your State President during this exciting time in NSPE.

P.S. While in Chicago in July, I had the extreme pleasure of witnessing our own Dwight Williams receive the Young Engineer of the Year award from Bobbie Price, who a few hours later, became the Past President of NSPE, relinquishing that position to Kathryn Gray. Also, I wrote a letter endorsing Bernie Berson of New Jersey for election to President in 2007. Bernie has subsequently been selected by the NSPE Board of Directors to fill that position. Please join me in congratulating all of them.



NSPE President Bobby Price, PE, presents national Young Engineer of the Year award to MDSPE's Potomac Chapter President Dr. Dwight Williams, PE.

## Gov. Signs Certificate of Merit Bill; Surveyor Statute of Repose Also Becomes Law

Governor Robert Ehrlich has signed into law a bill that requires a certificate of merit to be filed before suing a Maryland design firm and another bill that reduces the statute of repose on surveys to 15 years from 20 years.

MDSPE worked with the Council of Engineering Companies to lobby the certificate of merit bill and with the Society of Surveyors to lobby the statute of repose bill.

Both bills are important to the engineering community for business reasons. MDSPE Vice President Manoj K. Jha, P.E., PhD, testified before the Senate committee in favor of both bills and was present in Annapolis for the bill signing.

Senate Bill 143 amends the statute requiring a certificate of merit before the filing of a lawsuit against a design professional to include corporations, partnerships or other entities through which a licensed design professional works. The amendment overrides a decision by the Court of Appeals that interpreted the law as applying only to individuals.

Senate Bill 14 amended the Courts & Judicial Proceedings Article by reducing the time in which a person may seek recovery for damages incurred for an error in a survey of land from 20 to 15 years after the survey, or within years after the discovery of the error, whichever comes first. The statute of repose for architects and professional engineers is 10 years from the date the improvement becomes available for its intended use.

Dr. Jha testified on the bills as government affairs chair for the Maryland Society of Professional Engineers.

A third bill important to professional engineers and other design professionals was passed by the House, where Dr. Jha also testified, but failed to come out of the Senate committee. This bill, House Bill 110, would have clarified the application of the mechanic's liens law for professional engineers, landscape architects and surveyors.

In his testimony supporting the certificate of merit law change, Dr. Jha said that our members and those of many of the engineering technical societies practice through small corporations and limited liability companies and partnerships for tax and estate planning purposes, not to avoid liability. "Indeed," he said, "a professional engineer cannot escape from professional liability merely by incorporating."

To exempt these business entities from the requirement for a certificate of merit runs counter to the intent of the legislature when it adopted this important tort reform measure in 1998, he added.

MDSPE does not believe the requirement for the certificate imposes any hardship upon claimants. It does protect the professional engineer from being caught up as an innocent bystander in a suit against others. There seems to be tendency to include a long list of defendants in many lawsuits. This requires professional engineers named in such suits to expend funds, time and energy for a defense to remove themselves as defendants even when there is no merit in the cases against them.



Seated left to right: Senate President Miller, Gov. Ehrlich, House Speaker Busch. Standing left to right: Senator Haines, bill's principal sponsor, Jim Otrodovec, executive director of the CEC, Manoj Jha, Lorraine Sheehan, lobbyist for CEC and MDSPE.

### MDSPE To Push for Mechanic's Lien During 2006 Legislative Session

MDSPE is laying plans to push for enactment of a change in Maryland's mechanic's lien law to specifically include the work of professional engineers under the law. An attempt to enact a bill during the 2005 session passed the House of Delegates but failed to gain approval by a Senate committee.

In presenting MDSPE's view to the Senate Committee, our government affairs chair, Manoj Jha, said that current statute provides that every building erected and every building repaired, rebuilt, or improved to the extent of 15 percent of its value is subject to a lien for payment of all debts contracted "for work done for or about the building and for materials furnished for the building . . ." The statute then goes on to specify a number of items included. The list is clearly not intended to be exhaustive.

"We view House Bill 1188 as a technical amendment to the listing of drilling, planting, grading, leasing and other items, to clarify that design professionals who do work for or about the building are to be included," Dr. Jha said. "Nothing in the statute now specifically excludes design professionals, and various people read the current law in various ways – to include or to exclude."

Dr. Jha pointed out that much of the work done on buildings is performed under a design-build contracts, and the design portion of such contracts is considered susceptible to a mechanic's lien. This is especially true in home improvements.

"At least twenty-five states have already clarified their mechanics' lien statutes to either expressly include architects, engineers and surveyors who have contracts with the owner in their

Applying the Screws

Owing Taxes or Child Support Can Delay License Renewal

A Maryland PE who owe state taxes or child support will not be able to renew his or her PE license until getting things squared away with the appropriate agency. New intercept laws and policies are now in force here and in a growing number of other states.

The policy applies to income taxes, unemployment insurance, and withholding taxes, among others.

All occupational and professional licensees will be notified by mail 90 days before the renewal date if a hold has been placed on the license renewal.

We are hearing howls from across the country as states use licensing laws to put the screws to professionals who are delinquent in state taxes.

Mechanic's Lien continued from page 4

definition of "lienholder" or that define services protected by a lien to include those furnished by design professionals," he added.

Of those states, some have restricted claims for payment of architectural and engineering fees to those design professionals who have contracts directly with the owners. Other states have expanded lien rights to architects and engineers who have contracts with either the owner or the general contractor. Under some schemes, architects, engineers, and surveyors must be registered professionals in order to have lien rights. This is based on information provided to us by the General Counsel of the National Society of Professional Engineers and sourced to the Design Professional Handbook of Business and Law.

The Maryland Real Property Code, as is in force right now, permits contractors to obtain mechanic's lien rights for services, for goods or for both. So a contractor installing metal roof trusses supplied by another party could obtain a mechanic's lien on a building even though that contractor didn't supply any materials and is only out of pocket for the cost of labor. In this respect, design professionals are absolutely no different from contractors.

Dr. Jha concluded his testimony before the Senate Committee by saying, "The point to be made is this: because there is no substantive distinction between an engineer or a surveyor providing services essential to the construction of a building and a contractor providing services essential to the construction of a building, there is no reason for the mechanic's lien statute to permit one to use a lien to obtain payment, but not the other."

The bill had been opposed on the basis that it expanded the law with respect to the precise scope of services covered.

Assistant Attorney General Kathryn M. Rowe has advised that Maryland case law makes it clear that architectural and similar services are included within the mechanic's lien law, but leave the exact services that fall within the scope of "work done for or about the building and for materials furnished for or about the building" somewhat uncertain.

MDSPE Adopts FY 2006 Budget

The MDSPE Board of Directors has adopted a budget for the 2006 fiscal year which started June 1 which holds the line with no increase in dues. Here is the approved budget:

DESCRIPTION	Budget
<b>INCOME</b>	
Dues	37,500.00
Advertising	1,000.00
Contributions	500.00
Interest	200.00
Seminars profit	200.00
<b>TOTAL INCOME</b>	<b>\$39,400.00</b>
<b>EXPENSES</b>	
<b>ADMINISTRATION GROUP</b>	
Board expenses	500.00
Executive office operation	16,000.00
Postage	500.00
Telephone	900.00
Office expense miscellaneous	1,050.00
Software	500.00
<b>TOTAL ADMINISTRATION</b>	<b>\$19,450.00</b>
<b>LEADERSHIP TRAVEL &amp; EXP.</b>	
Executive director services	150.00
President	500.00
President-elect	500.00
<b>SUB-TOTAL LEADERSHIP T &amp; E</b>	<b>\$1,150.00</b>
<b>MEMBER SERVICES</b>	
Md Professional Engineer	9,000.00
Membership development	1,000.00
Web page	350.00
<b>SUB-TOTAL MEMBER SERVICES</b>	<b>\$10,350.00</b>
<b>OUTREACH</b>	
Engineers Week	300.00
Legislative	5,200.00
Mathcounts	300.00
Bridge Challenge	300.00
Newly licensed PE dinner	1,000.00
Future Cities competition	300.00
Educational Foundation	300.00
Education Foundation Admin Expense	50.00
<b>SUB-TOTAL OUTREACH</b>	<b>\$7,750.00</b>
Contingency & Savings Account	1,200.00
<b>TOTAL OPERATING EXPENSE</b>	<b>\$39,900.00</b>

## Design Boards Panel

# Architect's Plan Needs PE Seals for MEP Drawings

Mechanical, electrical and plumbing plans for a 19,000 sq. ft., three-story office building submitted for a building permit require a P.E. seal. That was the determination received by Anne Arundel County officials in response to a request for determination the county submitted to the state design boards.

The case is the first submitted to a panel under a program adopted last year by the state boards to help local code officials who may be unsure as to which may sign and seal a particular plan.

The panel consisted of two members each from the Architect and PE boards, plus a consumer member of a third board. The decision was unanimous.

According to the architect involved, the project was a re-

design of a building that included site, building, structures and services plans prepared by an engineer and approved by the county. Upon review of the original plans, the county were rejected the original fire exiting and roof structure, along with other deficiencies.

The engineer failed to make revisions for five months and was dismissed from the project by the owner, according to the architect who was hired to redesign the project to code.

The architect claimed that the panel cited "the magnitude of the project's design and the complexity of calculations" as primary reasons for its rejection.

Curiously, the architect used a corporate seal rather than an personal seal on the MEP documents.

## County Declines to Seek Determination

# Queen Anne's County Rejects PE's Plans; PE Board Asked for Decision

A PE whose building permit application for rehab work on a small commercial structure was rejected by Queen Anne's County asked the State Board for Professional Engineers for a determination as to whether his work is within the scope of practice of a professional engineer. The Board, however, deferred to the decision of the county officials.

The project is a 1.5-story timber-framed house with an attached two-car garage. The owner asked the engineer to inspect the building for structural damage and develop a rehab/modification plan. The scope of work is substantially limited to designing repairs, minor structural changes as well as building strengthening.

The strengthening has added structural bracing along the exterior walls and an interior shear wall in the garage. There are no exterior modifications. There is no interior curtain wall. The project involves supervised construction since the interior will be gutted, all sheet rock is to be removed, and the building is to be inspected for insect and animal entry, with structural enhancements as indicated. In addition, the owner requested a stairway access be provided for the second-floor garage level and elimination of the existing ladder access.

During review, the health department suggested enlarging a half-bath to a standard ADA layout. The county asked for an enclosed stairway to the second floor, a door schedule on firewalls and a statement by the architect. The engineer pointed out that an enclosed stairway is not required by IBC code and that the Maryland "smart code" does not require that any firewalls be added.



Queen Anne's County insisted on an architect's seal and the PE State Board acquiesced.

When county officials insisted on an architect's seal, the engineer suggested that the county request a determination by a DLLR design boards panel. The county declined and again insisted on an architect's statement. The engineer asked the PE Board determination that the work is within the scope of a professional engineer, competent in the subject matter of the documents by virtue of education and experience, to sign and seal these documents without additional review by an architect.

The PE Board asked county officials to inform it of the county's policy on commercial buildings and the basis of their position on this particular case. In the meantime, in the interest

of advancing the project and save the owner time, the engineer did engage the services of an architect to review his work. Rather than referring to the scope of practice statutes, the county relied on the wording of the building code, which required an architect seal and signature.

The architect refused to sign the first statement sent to him by the county but did sign a subsequent version.

By the time the PE Board got into the case, an architect had been retained to expedite the job was and the PE Board decided that it is up to the county, not the design professional, to ask for a determination. Counsel to the Board noted that the structure is "primarily for human use," which would put it in the realm of architecture.

*[EDITORS NOTE: Queen Anne's County out-sources plans review as well as inspections to a private contracting firm, Middle Department Inspection Agency (MIDA). MIDA contracts with at least four Eastern Shore counties as well as at least one county in Western Maryland.]*

## Gov. Ehrlich Names New PE Board Members

MDSPE member Pastor Farinas, P.E., and Bowie area resident Sara Murphy have been seated as members of the Maryland State Board for Professional Engineers for five year terms.

Farinas succeeds MDSPE member Melvin Hotz, PE, as electrical engineer member of the Board. He is a vice president in the Rockville firm of Mendoza Ribas Farinas & Assoc. and has served as secretary and newsletter editor of our Potomac Chapter. He received his BS from Catholic University in 1967 and his master's degree from George Washington University in 1972, the year he became an MDSPE member.

In endorsing him for appointment to the state board, we told Gov. Ehrlich and DLLR Secretary James D. Fielder, Jr., that Pastor's 37 years experience in engineering and management includes partnership in a Rockville-based consulting engineering firm as well as working experience as a building code official.

His background in building code enforcement in Montgomery County, we noted, is of particular importance because the Board for Professional Engineers as well as the other DLLR design boards are currently engaged in a process of helping building code officials across the State of Maryland to deal with the complexities stemming from the rewriting of the scopes of practice of all of the design professionals a few years ago by the General Assembly and the resulting issues of overlaps of practice.

Mr. Farinas is licensed as a Professional Engineer in six states plus the District of Columbia. His licensure in Florida and New York should be of particular interest to the Maryland Board over the next five years as our Board contemplates enactment of continuing education or continuing professional competency requirements.

Ms. Murphy is a public member of the board and succeeds Michael Howard, who was appointed by Gov. Gladdening in 2000. She is vice president of Systems, Services & Design, Inc., a Washington, D.C. "IT solutions provider." With college majors in marketing and computer sciences, she oversees quality control for her firm.

SSD provides engineering, management, technical and computer systems support for a diverse group of clients including a number of federal agencies.

MDSPE also endorsed the reappointment of Hotz to the Board, noting that he has been a member of the Board since September 1988, its chair since 1996. He has served on numerous committees of the National Council of Examiners for Engineering and Surveying, including a term as vice president. Among his duties in that capacity, he has served as a Board Liaison to several NCEES committees.

He has been highly active within his technical society, the Institute of Electrical and Electronics Engineers, in which he is a Life Senior Member. He has held every office in the IEEE Baltimore Section, been associate editor for a technical journal and a member of the technical program committees for several aerospace and electronic systems conventions.



Retiring PE Board Chairman Melvin Hotz (right) was recognized for his 17 years of service to the engineering profession and the citizens of Maryland when Secretary James D. Fielder, Jr., Ph.D. (left) pre-sented him with both a Governor's Citation and a Secretary's Citation at the board's June 9 meeting. Secretary Fielder also presented a Secretary's Citation to outgoing board member Michael J. Howard.

## PE Board Elects Gene Harvey Chair

Gene Harvey, PE, has been elected chair of the Maryland State Board for Professional Engineers. He succeeds Mel Hotz, P.E., who chaired the Board for 10 years and whose term on the Board expired on June 30.

Salleys Perrin, PE, was elected vice chair of the state board. A vice president of Parsons, Inc., she is also a MDSPE member. Allison Hunt, PE was elected secretary of the Board and will serve as chair of the complaints committee. She works with the National Art Gallery in Washington, D.C.

Harvey received his bachelor's degree in civil engineering in 1960 from the Johns Hopkins University part time McCoy College program while working in engineering for the City of Baltimore.

He had served in the U.S. Navy on active duty from 1944 to 1946, and in the naval reserve from 1946 through 1951.

He left the City to work with the State Roads Commission's highway division, and then went into the private sector with the Robert T. Register consulting engineering firm. He subsequently went back to the public sector with Anne Arundel County, where he ultimately became chief engineer. Back in the private sector, he joined John H. Harms & Assocs., where he continues to work part time.

Gene is a fellow of both the ASCE and the ACEC. He served as secretary-treasurer of the ASCE Maryland section and as president of ACEC-Maryland. He served ACEC-Maryland for many years as legislative chair. He is also a life member of the American Water Works Association. He is a trustee of the scholarship fund of the Engineering Society of Baltimore and a member of the membership committee.

In non-engineering activities, he has served as president of the Anne Arundel County Chamber of Commerce and Vice President for Associates at the Home Builders Association of Maryland.

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rainwater harvesting and reuse; permeable pavements; and proprietary BMPs.

■ **Low Impact Development: Stormwater Management Technology –Nov. 17.** Low Impact Development Technology (LID) is an ecologically friendly approach to stormwater management technology that is rapidly spreading throughout the Mid-Atlantic and other regions of the U.S. This course offers both an introduction to the basic concepts of LID as well as an introduction to a number of computational procedures associated with the application of this technology. This new technology involves multiple disciplines and has far reaching impacts in urban /consultants; environmentalists and interested citizens stormwater management, land use planning, water resources protection, site planning/design, best management practices, building requirements and construction and maintenance of stormwater infrastructure. LID will be of interest to local, state and federal government administrators and regulators; developers, builders, contractors; land use/development planners, civil/environmental engineers, landscape architects; environmental professionals

■ **Integration of BMPs into Biodesign – Dec. 1.** Detailed syllabus is still under development at press time.

**Land Development**

Three two-hour sessions have been scheduled for our Land Development Workshops, produced in cooperation with the Land Development Institute. These classes will be held from 6 to 8 p.m. on Nov. 1, 8, and 15. Our target audience for these work-

shops includes members of the real estate and land development communities as well as entry-level engineers, landscape architects and land surveyors. David S. Thaler, PE, LS, will conduct the classes. David, a vice president of MDSPE, is founder and dean of the Land Development Institute.

Mr. Thaler has been involved with the development of more than 1,000 communities in Maryland and Pennsylvania. Assisting him as presenters will be Stephen D. Rosen, BSCE, who was formerly a project engineer with Baltimore County and is now president of SDR Development, a development management firm, and Mark S. Wheeler, BS, how has more than 35 years in construction and land development operations and is now director of operations with Lennar Corporation.

The curriculum for the first class will include the spectrum of opportunity, finding the deal, creating value, managing risk, selecting and working with the right team, the acquisition contract, successful due diligence.

The second session will include, what you always wanted to know about zoning, understanding the approval process, overcoming community opposition, working with the government and obtaining approvals.

The final class will cover effective grading and sediment control, managing earthwork, working with contractors - getting the job done, and successful close-out -getting your money back.

For more information on any of these programs or to register, go to <http://mdspe.org/CONTINUINGEDUCATION.htm>.

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