



VALLE Review

A report of the Valle Scholarship and Scandinavian Exchange Program at the University of Washington, Seattle

The Director's Column

August 1998

When a July 1998 issue of the University of Washington's student paper, *The Daily*, ran a feature story on women in the College of Engineering, it sparked an interest in comparing the percentage of Valle scholarships awarded to women, and the percentage of women graduate students in the College and the Civil and Environmental Engineering (CEE) Department. *The Daily* article noted that 22% of UW engineering graduate students were women. However, the percentage of women enrolled in the CEE graduate program at 32% is significantly higher than the overall for the College. And for the Environmental Engineering and Science (EES) area in particular the percentage of women at the graduate level will be at 42% for this autumn's class. The higher percentages of women in CEE programs continues a departmental leadership role in including women that has extended over a number of years.

Now, as to women funded by the Valle Scholarship and Scandinavian Exchange Program during the most recent four year period, the number of women exchange students is almost equal to the number of men both with regard to graduate students from Scandinavia and in UW students traveling to the Nordic countries. As an historical comparison, for the first four years of the Valle Program (1980-1983), one-sixth of the exchange students from Scandinavia were women (5 out of 32) while for UW

scholars traveling east, 14% were women (3 out of 21). Overall the percentage of women exchange students has been 30%.

A summary of the distribution of all exchange students from the five Nordic countries shows the following: 32% have come from Norway, 22% from Sweden, 20% from Iceland, 14% from Denmark, and 12% from Finland.

Turning to Valle graduate scholars from American universities, of some 135 people awarded scholarships, 34% have been women. This percentage has held constant in the entire funding period which began in 1984. Valle scholars, both women and men came from 33 of the 50 states. After the state of Washington (which has provided one third of the graduate scholars), universities in the states of California, New York, Oregon, and Texas have provided a total of 29% of the students. From universities in each of the other 28 states sending scholars, the number varies from one to three students.

Thus the CEE Department and the Valle Program belie the concept that engineering is strictly a male enclave. They are providing both men and women to be leaders in the world of engineering.

As you may have noticed in the material above, the CEE Department has expanded its name to be the Civil and Environmental Engineering Depart-

ment. The name change was effective July 1, 1998 and comes in the same year that the Department celebrated its 100-year anniversary. The name change recognizes both the evolving discreteness of the environmental engineering and science area and its close relationship to the other branches of civil engineering.

And, a final comment, student advisors and Nordic students interested in applying for Valle scholarships should read the notice printed elsewhere in the Valle Report regarding new UW forms to be used by international students applying for admission to the University of Washington Graduate School.

Valle Scholars, 1998-1999

This year the income from the Valle trust funds will provide support for 20 scholars.

Six exchange scholars will arrive from the Nordic Countries. The scholars from the University of Iceland are **Snæbjörn Jónasson**, Transportation, Surveying, and Construction Engineering Program (TSCE); **Ólöf Rós Káradóttir**, Environmental Engineering and Science Program (EES); and **Sigríður Kristjánsdóttir**, Department of Urban Design and Planning (URBDP). From the Norwegian University of Science and Technology (NTNU), Trondheim, Norway, **Jostein Aasen** has begun study in the Structural, Geotechnical Engineering and Mechanics Program (SGEM). Entering the

VALLE SCHOLARS AND FRIENDS NEWS UPDATES

We would like to receive updates about our Valle scholars and friends. If you would take the time to complete the information below and send it to us either by mail or email it would be most appreciated.

Name: _____

Year/Degree: _____

Address: _____

Email address: _____

Phone: (home) _____ (work) _____

News:

Please mail information to:

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University of Washington
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Seattle, WA 98195-2130, USA
valle@rio.engr.washington.edu

or email to:

Department of Architecture (ARCH) are **Elena Pesic** of the Royal Institute of Technology (KTH), Stockholm, Sweden; and **Helle Lis Søholt** of the Royal Danish Academy, Copenhagen.

American Valle scholars from other universities are: **Kevin Branch**, U of Tennessee, SGEM; **Jared Nelson**, UC-Berkeley, SGEM; **David Horn**, Oregon State U, TSCE; **Kevan Shafizadeh**, UC-Davis, TSCE; and **Donna Podger**, UC-Davis, EES. From the U of Washington is **Andrew Wood**, EES.

University of Washington graduate students chosen for study opportunities in Scandinavia:

Denmark: **William Cory Crocker**, ARCH and **Paul Hess**, URBDP to the Royal Danish Academy, Copenhagen.

Finland: **Webster Wilson**, ARCH, to the Helsinki U. of Technology.

Norway: **Laura Landauer**, EES, to NVE, Oslo, Norway.

Sweden: **Wendy Burton**, SGEM, to Chalmers, Göteborg; **Brian Huser**, EES, to U. of Uppsala; **Joseph Taflin** and **Rhonda Young**, TSCE, to the Royal Institute of Technology, Stockholm.

CHANGE IN APPLICATION PROCEDURES

Beginning October 1, 1998, you will have the option of submitting the University of Washington (UW) Graduate Application via the World-Wide-Web as well as by mail.

To apply electronically you must use a computer connected to the Web, running either Internet Explorer

(version 3 or greater) or Netscape (version 3 or greater).

Some features of the Web application include: the ability to complete the application in multiple sessions over a two month period, a reduced application fee of \$45.00, and the option to pay the fee electronically by credit card.

If you wish to apply via the Web please visit the departmental Web page after October 1, 1998 for more information. If you cannot find the Web address for the department, go to:

<http://www.grad.washington.edu/admissions/viewchoice.html>

or
<https://www.grad.washington.edu/application>

also the Valle Web site at
<http://www.engr.washington.edu/activities/valle/>

has links to UW departments. For the Valle Program, we will need to have copies of your departmental application materials, the graduate school application, and a completed Valle Scholarship Application. We are able to send you the Valle Application via e-mail if you are able to receive *word attachments*. If you wish to send the Valle Application materials to the Valle Program via fax you may send it to the following fax number:
(206) 543-2907.

News and Comments

Two former Valle scholars have agreed to be Valle representatives in their respective Nordic areas. Our new representative in Finland is Dr. **Jaakko Puhakka**, Professor and Head of the Institute of Water and Environmental Engineering at Tampere University. Professor **Sven Liedberg** is our new contact person at Chalmers University, Göteborg. We are delighted that these two excellent program alumni have volunteered their time to assist those persons interested in receiving information about the Valle Scholarship Program. Their addresses appear elsewhere in this Valle report.

Evaluating the Effects of TDM Strategies on Trip Generation by Using Poisson and Negative Binomial Regression, A Report to the 78th Annual Meeting of the Transportation Research Board, January 1999, presented by **Brett Wallace** and Professors Fred Mannering and G. Scott Rutherford. Travel Demand Strategies (TDM) are mechanisms employed to affect vehicular travel rates. The authors used regression methods to evaluate land use strategies, pricing strategies, telecommunications, alternative work schedules and on-site facilities.

Modeling of Rigid Pavements: Joint Shear Transfer Mechanisms and Finite Element Solution Strategies. Civil Engineering Report SGEM 98-6, by **William G. Davids** and Professors George Turkiyyah and Joe Mahoney. This study addressed the need to better quantify and model load transfer rates across joints in rigid concrete pavement systems and presented strategies for making three dimensional finite element analysis of rigid pavements practical on desktop computers. Verification of finite element models was accomplished through comparison with laboratory test data of doweled rigid pavements.

Are Øyasæter is now employed by Ian Mackinlay Architecture in San Francisco. During his April visit to Seattle, he described his responsibilities for writing a book on structure design in snow areas. While at the UW as a Valle scholar Are did a study and presentation on the work of Seattle Architect Arne Bystrom.

Professor **Dorothy Reed** participated in the International Bridge Aerodynamics Seminar held in Copenhagen in May 1998.

Dr. **Lars Moseholm**, visited the Valle Office in April 1998. Lars is now Head of the Division for Northern Cooperation and Environmental Export for the Danish Environmental Protection Agency (Miljøstyrelsen). Moseholm stopped in Seattle on his way to meetings in Alaska. A portion of Lars' responsibility also deals with Danish environmental cooperation with Lithuania.

Erlingur Jónasson wrote that he started working for the US Navy in Keflavik NATO Base as an environmental engineer with a focus on groundwater, soil, and air.

Mark Bjelland wrote that in the

decade since receiving the MSCE in EES he has worked on hazardous waste cleanup in the US and Canada. Recently he has turned to social science, ethics, and public policy. He is writing a dissertation (U of Minnesota geography department) on brownfield cleanups that incorporate G15, risk assessment, environmental justice, and urban land-use planning.

Heikki Lonka visited the Valle Office in April. Heikki is now construction management chief for the city of Vantaa, Finland.

William Harold Kurtz wrote expressing his appreciation for his Valle experience in Denmark researching cohousing during summer/fall of 1990. He has been sharing his experience ever since and participated in the third national cohousing conference, Seattle, 1997; provided professional service in Arizona for cohousing groups, created a participatory cohousing exhibition entitled, *Our Future in the Desert: Architectural Explorations*, at The Scottsdale Center for the Arts. He is registered and has been in private practice for four years.

Professor **John Ferguson**, is spending a portion of his sabbatical in Finland working with Jaakko Puhakka at the Institute of Water and Environmental Engineering, Tampere University of Technology.

Dr. **Arild Eikum**, Valle representative in Oslo, visited the Valle Program in June 1998 to discuss interties with Nordic research institutions and to explore joint project areas with UW faculty. Dr. Eikum is now with Interconsult AS, Oslo, Norway.

Last September **Katrina Deines**, Associate Dean, College of Architecture and

Urban Planning, represented the Valle Program in brief visits to some of the Valle schools in Denmark and Norway. In Copenhagen, Professor Deines visited the Architecture Department of the Royal Danish Academy of Fine Arts at their new campus at Holmen. Inge Bak, the School's international exchange administrator, coordinated her visit. The campus is on an island very near the old center of Copenhagen housed in an inspiring adaptation of 18th century navy buildings. She also saw Henning Larsen's addition to the Glyptotek. Former Valle scholar and Copenhagen architect Bo Christiansen showed her around Copenhagen and his office. From Copenhagen she flew to the University of Trondheim in Norway to visit with Professor Ola Steen who organized a visit to the school, toured the facilities with Professor Birgit Cold, and she was introduced to several professors and students. Professor Elin Corneil and her husband Carmen met with her and gave her a quick history of the town and its sights. She also used the recommendations of Trondheim native and Valle scholar Are Oyasæter, who was studying in Seattle. She thoroughly enjoyed her short visit to the remarkable old cathedral town, which celebrated its 1000th anniversary this year. From Trondheim, she took the train to Oslo enabling her to see as much of the country as she could. In Oslo she visited the Oslo School of Architecture and talked to Dean Per-Olaf Fjeld, an alumnus of Washington State University. Her visits to Copenhagen and Norway and her contacts with the schools there made her even more convinced of the importance of the continuity of the Valle program.

Valle Scholars Funded 1997-98 Academic Year:

Architecture:

David Bamford
Christopher Brown
Martin Stigsgaard
Ivan Zidarov
Are Øyasæter

Environmental Engr and Sci:

Marta Danielsdottir
Thorhildur Gudmundsdottir
Birgitte Hansen
Patricia Henshaw
Katherine Hilton
Robin Kirschbaum
David Lucas
Sherrill Mausshardt-Lingel
Jaana Pietari
Owen Reese
Emil Rydin

Structural, Geotechnical Engineering and Mechanics:

Jostein Aasen
David Baska
Peter Jason Black
Wendy Burton
Ryan Hofmeister
Douglas Lindquist
Frank Unocic

Transportation, Surveying and Construction Engineering:

Erika Holt
Asberg Ingolfsson
Stephen Muench
Jessica Shickman
Gudmundur Úlfarsson
Brett Wallace

Valle Scholars Completing Degree Requirements During 1997-98 Academic Year:

Master of Science (Civil Engr)
Gudmundur Freyr Úlfarsson

Master of Science in Civil Engineering

Laura Christine Bowling
Robin Lyn Kirschbaum
Eric David Soroos
Brett Patrick Wallace
Peter Jason Black
Janine Dorothy Fitzpatrick
Owen Glyndwr Reese
Thorhildur Gudmundsdottir
Wendy Lynne Burton
Ryan Jon Hofmeister
Jörgen Alf Thure Johansson
Laura Jo Landauer
Douglas David Lindquist

Frank Robert Unocic

Master of Sci in Engr. (Civil)
Logan Michael McInnis
Birgitte Ostergaard Hansen
Katherine Howard Hilton

Master of Architecture
Mette Lovendal Greenshields
Are Risto Øyasæter
Martin Erdmann Stigsgaard
Ivan Zidarov
Shane Alan Ruegamer

Doctor of Philosophy

Laura Margaret Grosso,
Urban Design & Planning,
Computing collaboration: A study on the potential of model building to facilitate urban water supply planning in selected cities of Zimbabwe, Estonia and Sweden. (Prof. Brian Mar)

Included Among the Valle Scholar Reports Received by the Valle Office

The following reports are available to read at the Valle Program Office:

Civil and Environmental Engineering

James M. Strout, in May 1998, presented his thesis in partial fulfillment of the requirements for the Doctor of Engineering degree at the Norwegian University of Science and Technology at Trondheim, Norway. Entitled, *Evaluation of the Field Compressometer Test in Sand*, his work evaluated new field compressometer equipment developed by the Department of Geotechnical Engineering. His major professor in Norway was Kåre Senneset and the appraisal committee included UW Professor Robert Holtz.

Emil Rydin, presented a paper at the April 1998 WALPA meeting in Issaquah, WA, entitled, *Dosing Alum to Wisconsin Lake Sediments Based on Possible in vivo*

Formation of Aluminum Bound Phosphate. The paper is to be published in a forthcoming issue of Water Research. The work done on Wisconsin lakes formed the background for a study of all fourteen Washington lakes treated with alum for removal of phosphorus. The salient finding from these studies was that the ratio of added aluminum to formed aluminum bound phosphorus was, in all cases, close to 10 to 1 by weight in spite of large differences in the actual amounts of aluminum added. The implications of this result are that, for the first time, the outcome of a certain alum dose can be predicted in terms of the amount of phosphorus that, with time, will be inactivated.

Jörgen Johansson, *Design and Development Report for the Soil Liquefaction Web Site*, Project Report, May 1998, Major Professor Steven Kramer. The report describes the design and development of a computer web site which would provide the general public with information on soil liquefaction. The site has a *question-based* architecture so that interested viewers can get answers to questions relating to soil liquefaction. The initial information provided is primarily lay information with more detailed information for knowledgeable engineers provided through links labeled *more details*. The web site is: <http://www.ce.washington.edu/~liquefaction>

Robin Kirschbaum, *Development of a Gridded Degree-Day Snow Accumulation/Ablation Model with Spatio-temporally Varying Melt Factor*, Report on Research at NVE, Norway, 1998. Robin developed a computer model for predicting snow packs and spring runoff. The model was tested in Vinstra catchment area which is part of the Glomma Basin in southern Norway. Comparison of predicted and observed data

in the basins indicated the melt factor used could significantly improve model performance during the ablation period.

Thorhildur Gudmundsdottir, *Transport Model for Chimbote Bay in Peru*, MSCE Thesis (1998), Major Professor Harry Yeh. Thorhildur developed two numerical models to study flow and transport fields in Chimbote Bay, Peru. The purpose of her studies was to study the effects of outfall locations on pollutant distribution in the bay. She noted that winds were an important forcing factor for this coastal site.

Birgitte O. Hansen, *Separation of Strontium from Low-Organic Simulated Hanford Tank Waste by Adsorption onto Metal Oxides*, MSE Thesis, April 1998, Major Professor Mark Benjamin. Hansen studied options for removal of radioactive strontium from waste storage tanks at Hanford, Washington. Her studies included the evaluation of six inorganic metal oxide adsorbents as a means of strontium adsorption using two adsorption columns in series. Iron oxide coated sand columns could reduce influent concentrations of 280 µg/L to effluent concentrations below 70 µg/L.

Katherine H. Hilton, *The Effects of Time-Step on a Simulation Model for Reservoir Planning*, MSE Thesis, March 1998, Major Professor Richard Palmer. Hilton developed a time step simulation model for water resources planning. Her goal was to increase the accuracy of the time-step process and provide for public involvement. Her results showed that moving from a monthly to a weekly time step could cause significant improvements in accuracy while the additional move to daily step did not provide much additional change.

Douglas D. Lindquist, *Summary of My Stay and Studies at the Swedish Geotechnical Institute*, Research Report, April-October 1997, Major Professor Steven Kramer; Swedish Geotechnical Institute Advisor Yvonne Rogbeck. His research involved modeling of embankments and piles using the computer program, Fas Langrangian Analysis of Continua. His work was reported in a paper presented in March 1998. Douglas was a co-author of the paper together with his advisor and others.

Owen G. Reese III, *Water Quality Management and Erosion Control on a Construction Site: Lakemont Boulevard Case Study*, MSCE Thesis, December 1997, Major Professor Brian Mar. The report examined a water quality monitoring program and erosion control best management practices on a boulevard extension project. Water quality monitoring and best management practice programs were evaluated for effectiveness in reducing project loads of total phosphorus and total suspended solids.

Janine D. Fitzpatrick, *The Effect of Public Art on the Occurrence of Vandalism and Graffiti in Subway Stations*, MSCE Thesis, 1997, Major Professor Scott Rutherford. Fitzpatrick reviewed the effect of artwork in subway stations on vandalism and graffiti with special emphasis on the Stockholm system. For high passenger volume stations, public art appeared to lower average maintenance costs for vandalism and graffiti. Lower volume stations did not show the same cost savings.

Jason Black, *Analysis of Piezocone Tests in Fine Grained Soils with the aid of ConAn*, Final report, September 1997, Major Professor Steven Kramer;

NTNU Research Coordinator, Dr. Rolf Sandven. Black developed a computer program to aid in the evaluation of piezocone tests. Piezocone testing is used for soil classification, soil strength, deformation and flow characteristics. Program field data was obtained from three field sites in the Trondheim area. The ConAn name is an abbreviation for cone analysis.

Jessica L. Shickman, *A Comparative Analysis of Gravity and Logit-Based Trip Distribution Models*, MSCE Thesis, 1998, Major Professor Scott Rutherford. Trip distribution models are used as part of the travel demand forecasting process. Schickman compared two different models and found that the logit-based models have greater structural and explanatory advantages than the gravity models and seemed to produce better results.

Architecture and Urban Planning

Water Supply Planning Case Study: Issues and Practices in Stockholm, Sweden, **Laura Grosso**, Final Report 1997. The purpose of Grosso's exchange study was to identify the major issues and practices linked to water supply and sanitation planning and to determine the potential of using a computer-aided modeling tool to facilitate communication. The software used was the Stella program. The Stockholm Water Company was used as the case study. Data collection involved literature searches, interviews, observations, and model building experiments.

Are Øyasæter, *The Role of Wood, Craftsmanship and Detail in the Residential Work of Arne Bystrom: Selected Case Studies*, MArch Thesis,

December 1997, Major Professor Katrina Deines. Are studied Arne Bystrom's design for five houses used as retreats and vacation homes. He noted Bystrom's ability to use wood effectively and to integrate structures into the environment surrounding and enclosing the house. Øyasæter made models and sketches of Bystrom's designs. These materials were on exhibit at the Nordic Heritage Museum.

William Cory Crocker, *Urban Development of Norway*, Class Report for ARCH 551, Scandinavian Architecture, March 1998, Major Professor Folke Nyberg. As a precursor to his proposed research in Bergen, Norway, Crocker has submitted a well illustrated report on Norwegian urban development describing how the Norwegian desire for retaining rural aspects influenced the design of their urban areas and avoided some of the deficiencies of other European cities as they became industrial centers. He cites Sverre Pedersen's advice to harmoniously blend building practices with the landscape thereby avoiding disfigurement.

Martin Stigsgaard, Ivan Zidarov, *Ground Zero*, Joint MArch thesis, 1998, Major Professor Sergio Palleroni. The thesis is stated to be an attempt to redefine the role of architecture in order to harmonize it with the actual cultural and social conditions of the Western world. *The main objective was to metaphorically recreate the cultural fragmentation of society and reinstall architecture in an engineered environment.* Their conclusion, as noted by the third author, Wayne Vetterlein, is that, in the future, *Architecture will move from the hands of an elite minority under the capitalist system where buildings were viewed as*

commodities, to the hands of the majority where the built environment becomes an enhancer of each person's personality in the new 'age of the multitudes'.

Mette Greenshields, Report on Studies at the Danish Royal Academy of Fine Arts, School of Architecture, Copenhagen, 1997, Advisor Professor Katrina Deines. Greenshields reported on her studies at the Royal Academy and described design projects, locations, and field trips both in Copenhagen and surrounding islands such as Bornholm. To quote from Mette's report, *One can learn a lot from books, but architecture is so much about experiencing space, and even the most elaborate descriptions can give only a limited sense of space. I have read and studied many books on Scandinavian and especially Danish architecture, but during the four months I spent in Copenhagen, I learned more about Danish design than any book would ever teach me.*

GRE and TOEFL Test Information

The GRE (Graduate Record Examination) is required of all applicants to the University of Washington Graduate School, and the TOEFL (Test of English as a Foreign Language) is required for applicants whose native language is not English.

Tests should be scheduled early so that the results of the tests are available by the February 1 deadline for Valle applications.

Information in regard to the GRE and TOEFL is available on the internet at:

<http://www.kaplan.com>

International Information

Orientation. The International Services Office (ISO) will conduct its annual orientation program September 16-20 for all new UW international students (except Canadians) entering the U.S. for the first time. New international students are required to pay a \$30 orientation fee.

Visas and Passports. Answers to questions in regard to passports, visas, extensions of stay, etc. are available from the ISO office.

Foundation for International Understanding through Students (FIUTS). International students who do not have a host or friendship family are encouraged to participate in the program. Applications are available from the FIUTS office.

Registration. International students are required to register full-time (graduate students -- 10 credits/qtr).

International Student I.D. Card. Be sure to keep the card current.

Nordic Consular Offices in Seattle

Consulate of Denmark
6204 E Mercer Way, Mercer Island
Tel: (206) 230-0888

Consulate of Finland
PO Box 40598, Bellevue
Tel: (425) 451-3983

Consulate of Iceland
5610 20th NW
Tel: (206) 783-4100

Consulate of Norway
Joseph Vance Building
Tel: (206) 623-3957

Consulate of Sweden
1215-4th Ave., Suite 1019
Tel: (206) 622-5640

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University of Washington Web Sites

University of Washington:
<http://www.washington.edu/>

Dept of Civil & Environmental Engineering:
<http://www.ce.washington.edu/>

College of Architecture and Urban Planning:
<http://www.caup.washington.edu/>

Valle Scholarship & Scandinavian Exchange Program:
<http://www.engr.washington.edu/activities/valle/>

University of Washington Class and Holiday Schedule, 1998-1999

Autumn Quarter 1998

Applic. closing date	Dec. 1, Apr. 15 ²
Classes begin	Sept. 28
Veterans' Day	Nov. 11
Thanksgiving recess	Nov. 26,27
Last day of instruction	Dec. 9
Final examinations	Dec. 10-17
Quarter break ¹	Dec. 18-Jan. 3

Winter Quarter 1999

Classes begin	Jan. 4
Martin Luther King, Jr. Day	Jan. 18
Valle Scholarship Deadline	Feb. 1
Presidents' Day	Feb. 15
Last day of instruction	Mar. 12
Final examinations	Mar. 15-19
Quarter break	Mar. 20-28

Spring Quarter 1999

Classes begin	Mar. 29
Memorial Day	May 31
Last day of instruction	June 4
Final examinations	June 7-11
Commencement	June 12
Quarter break	June 12-20

Summer Quarter 1999

Classes begin	June 21
Independence Day observed	July 5
Quarter ends	Aug. 20
Quarter break	Aug. 21-Sept. 26

Autumn Quarter 1999

Applic. closing date	Dec. 1, Apr. 15 ²
Classes begin	Sept. 27
Veterans' Day	Nov. 11
Thanksgiving recess	Nov. 25,26
Last day of instruction	Dec. 8
Final examinations	Dec. 9-16
Quarter break ¹	Dec. 17-Jan. 2

¹Holidays occurring during the break between Autumn and Winter quarters are Christmas, Hanukkah and New Year's Day.

²There is an earlier deadline for international students of Dec. 1 for Autumn Quarter. If enrollment quotas are filled before the application closing date, it may not be possible to offer enrollment, although an applicant may be scholastically eligible for admission.

Additional information in regard to the calendar may be found at the following web site:
<http://www.washington.edu/students/reg/calendar.html>

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REMINDER TO APPLICANTS — PLEASE CHECK ALL APPLICATION DEADLINE DATES



For further information, applications, or additional copies of this report, please contact this office by email, telephone, mail or fax, or refer to the web site for further information and application forms.

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Valle web site: <http://www.engr.washington.edu/activities/valle/>

Information Requested

Your Name

Organization

Office Street Address

City, State

Zip Code

Country

Email address