



2011 LIST OF POTENTIAL SWST VISITING SCIENTISTS

ACDA, MENANDRO N., University of the Philippines Los Banos, Dept. of Forest Products and Paper Science, College, Laguna, Philippines 4031 (+63 49 536 3432) (FAX +63 49 536 3206)
email: mnacda@yahoo.com

Specialty: Termite biology and control.

Will Discuss Formally and Informally: Above specialty.

ANDERSON, MATTHEW, Wood Advisory Services, Inc. 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091) (FAX 845-677-6547) email: matt@woodadvisory.com

Specialty: Wood science consulting and applied research.

Will Discuss Formally and Informally: Assessment of wood frame buildings (destructive and nondestructive); Evaluations of marine and foundation pilings; Investigation of construction related deficiencies; Microbiological evaluations (wood fungi, mold, bacteria).

ARMSTRONG, JAMES P., West Virginia University, P.O. Box 6125, Morgantown, WV 26506-6125 (304-293-7603) (FAX 304-293-2441)
email: jim.armstrong@mail.wvu.edu

Specialty: History of wood and forest use in the U.S.; Wood anatomy and physical properties; Education in wood and renewable materials.

Will Discuss Formally: Various topics related to forest resources in U.S. history (see: http://jim_armstrong.forestry.wvu.edu/wdsc100).

Will Discuss Informally: Any of the above; The future of wood and renewable materials science..

BARNES, H. MICHAEL, Thompson Professor of Wood Science and Technology, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762-9820 (662-325-3056) (FAX 662-325-8126) email: mbarnes@cfr.msstate.edu

Specialty: Wood deterioration and preservation.

Will Discuss Formally and Informally: Wood and composite deterioration and preservation, wood science education.

Will Discuss Informally: Same as above.

BEALL, FRANK C., University of California Berkeley, College of Natural Resources, 1301 South 46th Street, Richmond, CA 94804 (510-665-3536) (FAX 510-665-3427)
email: frank.beall@nature.berkeley.edu

Specialty: Nondestructive evaluation of wood and wood-based materials.

Will Discuss Formally: Ultrasonics for NDE; Future of NDE; Use of project value assessment to evaluate the value of a research project; Program at UCFPL.

Will Discuss Informally: All of the above plus most topics in wood physics; Research management; Organization of research papers; The patent process.

BOWYER, JIM L., Director, Responsible Materials Program, Dovetail Partners, Inc., 528 Hennepin Avenue, Suite 703, Minneapolis, MN 55403 and Professor Emeritus, Department of Bioproducts and Biosystems Engineering, University of Minnesota, St. Paul, MN (651-490-7688) (FAX 612-333-0432)

email: jimbowyer@comcast.net

Specialty: Responsible consumption, environmental implications of biomaterials and bioenergy production and use.

Will Discuss Formally: Environmental aspects of forestry, timber harvest and wood use; Environmental life cycle assessment; green building programs; U.S. environmental policy; Responsible consumption; The role of wood in the growing bio-energy industry; environmental education of children; The tropical deforestation problem.

Will Discuss Informally: Almost anything.

BUSH, ROBERT, Professor, Dept. of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 20461-0503 (540-231-8834) (FAX 540-231-8868) email: rbush@vt.edu

Specialty: Forest products marketing and management

Will Discuss Formally: The marketing of forest products in the U.S.; Strategic decision-making in wood-based industries; New forest products marketing research in the U.S. and the United Kingdom.

Will Discuss Informally: The above topics in addition to research to help improve student recruitment in Wood Science.

BRYANT, BEN S., 4102-51st Ave., NE, Seattle, WA 98105 (206-522-6273) (FAX 206-522-6273) email: fibrobb@hotmail.com

Specialty: How we can use the 5 elements of wood science (the mechanical, physical, chemical and biological properties of wood and wood structure and anatomy) to solve problems in wood technology and critically analyze new products as well as new building systems.

Will Discuss Formally: in two or more illustrated seminars—for grad students and faculty preferably—with handouts and outlines. These will emphasize the importance of understanding wood anatomy and structure (including the submicroscopic nature of the cell wall).

Will Discuss Informally: Will ask students to try to critically analyze, in light of the above, at least 6 “new products” of my own invention and explain why more of them failed than succeeded to reach commercialization. (I’ll show samples of these and/or photographs and diagrams re how I used an understanding of wood science to develop these products. We will also discuss the reasons for failure and/or success of inventions coming from federal laboratories, academic laboratories and industry research departments (including machinery and resin suppliers), and summarize what general lessons can be learned from these case histories.

CHEN, ZHANGJING, DR., 506 Alleghany Street, Blacksburg, VA 24060 (540-231-4962) (FAX 540-231-8868) email: chengo@vt.edu

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, 2406 Burlison Drive, Urbana, IL 61801 (217-333-6670) (FAX 217-244-3219) email: pchow@uiuc.edu

Specialty: Physical, mechanical and chemical properties of wood-based materials.

Will Discuss Formally: Hardwood composites; Durability of wood for structural uses.

Will Discuss Informally: Durability of wood-base materials; Utilization of non-wood plant fiber.

COOPER, PAUL, Associate Professor, Forestry Department, University of Toronto, 33 Willcocks Street, Toronto, Ontario, CANADA M5S 3B3 email: p.cooper@utoronto.ca

Specialty: Wood deterioration and protection.

Will Discuss Formally: Interaction with chemicals with the wood cell wall; CCA fixation;

Environmental impacts of treated wood over the full life cycle; Recycling/reuse of treated wood.

Will Discuss Informally: Collaborative research; Graduate student recruitment;

Teaching methods.

DeBONIS, A. L., President, Wood Advisory Services, Inc., P.O. Box 1322, Millbrook, NY 12545
(914-677-3091) (FAX 914-677-6547) email: ald@woodadvisory.com

Specialty: Wood engineering.

Will Discuss Formally and Informally: Design properties of lumber; Grading of structural lumber (visual and/or MSR); Reliability-based design; The role of consultants in the forest products field; Heavy timbers in residential and commercial construction; Hardwood structural lumber.

FLYNN, KEVIN, Flynn & Assoc., Inc., Forensic Wood Technologist, P.O. Box 805,
El Cerrito, CA 94530 (510-758-4686) (FAX 510-758-4893) email: k_flynn@sbcglobal.net

Specialty: Forensic Evaluation, Historic Preservation, Wood Performance; Problem Analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Owner, Funck & Associates, 19 Point Fosdick Drive NW , Gig Harbor, WA 98335
ph: (253) 514-6288 cell: (541) 760-8642 email: funckj@comcast.net

Specialty: Optical and dielectric scanning for surface defects and roughness; Process modeling and simulation (lumber and plywood); Process control.

Will Discuss Formally: Above listed specialties.

Will Discuss Informally: Above listed specialties; Education - graduate and undergraduate.

GARDNER, DOUGLAS J., University of Maine, 208 AEWB Building, Orono, ME 04469
(207-581-2846) (FAX 207-581-2074) email: douglasg@maine.edu

Specialty: Wood adhesion; Wood composites.

Will Discuss Formally: Wood adhesion; Wood surface chemistry; Wood/plastic composites.

Will Discuss Informally: Anything.

GOODELL, BARRY, Ph.D., Virginia Tech, Wood Science and Forest Products Dept, 230 Cheatham Hall (0323),
Blacksburg, VA 24061 (540-231-8853) (FAX: 540-231-8176) email: goodell@vt.edu

Specialty: Biodeterioration; Bioprocessing and bioconversion of wood.; Nanotechnology: Producing carbon nanotubes from wood; Biocomposites and polymer matrix composites: ComPRIS.

Will Discuss Formally: Any of the above topics

Will Discuss Informally: Any of the above.

KAMKE, FREDERICK A., Endowed Chair-JELD-WEN, Oregon State University, Dept. Wood
Science & Engineering, 104 Richardson Hall, Corvallis, OR 97331 (541-737-8422)
(FAX 541-737-3385) email: fred.kamke@oregonstate.edu

Specialty: Wood physics and composites.

Will Discuss Formally: Rotary dryers; Heat and mass transfer during flakeboard manufacture;
Viscoelastic behavior of wood.

Will Discuss Informally: Heat and mass transfer in wood and wood products

KIM, MOON J., Department of Forest Products, Mississippi State University,
Mississippi State, MS 39762-9820 (662-325-3109) (FAX 662-325-8126)
email: mkim@cfr.msstate.edu

Specialty: Wood Adhesives; UF resins; PF resins, PRF resins.

Will Discuss Formally and Informally: Above specialty.

LACHENBRUCH, BARBARA, Professor, Oregon State University, Dept. of Forest Products, 118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX 541-737-3385)
email: barb.lachenbruch@oregonstate.edu

Specialty: Tree ecophysiology.

Will Discuss Formally: Effects of tree biology on wood quality; Tree water relations and biomechanics as related to xylem structure.

Will Discuss Informally: Dual-career, women and family issues in grad school and academics.

LITTLE, ROBERT L., Armstrong Wood Products, 498 Salt Street, Winston-Salem, NC 27101 (336-406-1746) (FAX 336-703-1808) email: r_little@bellsouth.net

Specialty: Drying of hardwood lumber.

Will Discuss Formally: Automated control of hardwood dry kilns, Control of corrosion in dry kiln buildings, General drying practices for hardwood lumber, and Kiln design considerations.

Will Discuss Informally: General wood technology.

LOFERSKI, JOSEPH R., Associate Professor, Virginia Polytechnic Institute and State University, Department of Wood Science and Forest Products, Brooks Forest Products Center, Blacksburg, VA 24061-0503 (540-231-4405) (FAX 540-231-8868)
email: jloferski@vt.edu

Specialty: Wood engineering, Design of wood structures, Long-term performance of buildings, Historic buildings

Will Discuss Formally or Informally: Preservation of historic wood structures; Long-term performance of wood structures; Building systems; Deterioration of wood building materials.

MARRA, ALAN, Professor (retired, University of Massachusetts), 444 Old Montague Road, Amherst, MA 01002 (413-549-6910).

Specialty: Wood gluing; Reconstituted products.

Will Discuss Formally: Wood technology in the forest enterprise; Technology in the glue line.

Will Discuss Informally: R&D in WS&T; Fiddling with education.

McLAIN, THOMAS E., Professor of Timber Engineering and Department Head, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4257) (FAX 541-737-3385) email: Thomas.McLain.oregonstate.edu

Specialty: Engineering properties of wood and wood-based materials; Design of wood structures; Structural mechanical connections; Role of wood in modern society; Forest products/wood science academic, extension and research program administration.

Will Discuss Formally: Why Wood Engineering? The role of wood in modern society; Integrating extension in research and teaching; Pacific Northwest forest conflicts.

Will Discuss Informally: Above topics and most anything else.

MORRELL, JEFFREY J., Professor, Department of Forest Products, 230 Richardson Hall, Oregon State University, Corvallis, OR 97331-5751 (541-737-4222) (FAX 541-737-3385)
email: Jeff.Morrell@oregonstate.edu

Specialty: Wood microbiology; Biodeterioration; Preservation.

Will Discuss Formally: Remedial control of decay in wood structures; Proper use of wood in adverse environments; OSU's cooperative pole research program.

Will Discuss Informally: Biodeterioration and biological interactions; Treatability of refractory

wood species.

O'HALLORAN, MICHAEL R., President, Western Wood Products Association, 522 SW 5th Street, Suite 500, Portland, OR 97204-2122 (503-224-3930) (FAX 503-224-3934)
email: mohalloran@wwpa.org

Specialty: Wood engineering, mechanics, wood structures, codes, standards, research management.

Will Discuss Formally: Structural panel industry (Plywood, OSB, waferboard) status, markets, uses, standards, engineering design, LRFD design; Glued laminated timber; Structural composite lumber.

Will Discuss Informally: Trade associations; Structural panel topics; International markets; above topics.

PARIDAH, MD. TAHIR., Associate Professor Dr., Universiti Putra Malaysia, Institute of Tropical Forestry and Forest Products, Serdang, Selangor, MALAYSIA 43400 (608-89472186) (FAX 608-89472180) email: parida_introb@yahoo.com

Specialty: Bonding of tropical wood and non-wood materials; Kenaf as raw material for composite products.

Will Discuss Formally: On MOU between UPM and host University: 1) establish student exchange program; 2) R&D collaboration..

Will Discuss Informally: Post graduate studies at UPM.

SHALER, STEPHEN, Professor, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755 (207-581-2886) (FAX 207-581-2875) email: Steve.Shaler@umit.maine.edu

Specialty: Wood mechanics and composites.

Will Discuss Formally: Wood fiber properties; Computer and imaging applications; Experimental mechanics.

Will Discuss Informally: Hybrid wood composites.

SHI, SHELDON QIANG, Mississippi State University, Forest Products Department, Box 9820, Mississippi State, MS 39762-9820 (662-325-3110) (FAX 662-325-8126)
email: sshi@cfr.msstate.edu

Specialty: Wood (Wood-plastics) composites, wood adhesion, moisture related properties of wood and wood composites.

Will Discuss Formally: Recycling of polymer fluff in wood composites; Contact angle determination of particles.

Will Discuss Informally: Moisture related properties of wood composites; Student recruitment issue.

SMITH, BOB, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road, Mailcode 0503, Blacksburg, VA 24061 (540-231-9759) (FAX 540-231-8868)
email: rsmith4@vt.edu

Specialty: Forest products marketing; Professional sales in the forest products industry; Markets for wood in the U.S. infrastructure; Markets and perceptions of timber by engineers.

Will Discuss Formally: Marketing forest production; Perceptions of wood in the U.S. infrastructure; Educational needs in the forest products industry.

Will Discuss Informally: Timber bridges; Wood science and forest products at VPI; The Center for Forest Products Marketing and Management.

SMITH, W. RAMSAY, Director Global Wood Research, Arch Wood Protection, Inc., 3941 Bonsal Road, Conley, GA 30288; (404-362-3970) (FAX 404-363-8585) email: wrsmith@archchemicals.com

Specialty: Wood physics, international research in wood protection,

Will Discuss Formally: Research needs in wood protection; need for academic research programs in cooperation with industrial research programs.

Will Discuss Informally: Graduate programs in wood science and in international trade; Views of the future of the forest products industry; other topics as desired.

SMULSKI, STEPHEN, Ph.D., President, Wood Science Specialists, Inc., 453 Wendell Rd., Shutesbury, MA 01072 (413-259-1661) (FAX 413-259-1610) email: woodsci@crocker.com

Specialty: In-service performance of wood and wood-base products in residential, commercial and industrial construction; Preventing degradation of wood in service.

Will Discuss Formally: Moisture problems and durability of wood-frame houses; Forensic application of wood science and technology

Will Discuss Informally: Consulting opportunities in wood science and technology; Career opportunities in wood science and technology.

STOKKE, DOUGLAS D., Assistant Professor, Iowa State University, Dept. of Nat. Res. Eco. & Mgt., 339 Science II, Ames, IA 50011-3221 (515-294-2115) (FAX 515-294-2995) email: dstokke@iastate.edu

Specialty: Wood structure and properties, wood quality, light and electron microscopy.

Will Discuss Formally: Wood micro- and ultrastructure; Applications of microscopy to wood products research; Birdseye maple; Color analyses of wood products; SWST international visitation trip to China.

Will Discuss Informally: Microstructure of wood and polymer composites; Education in wood science and technology.

SUN, DR. RUN-CANG, Beijing Forestry University, College of Material Science and Technology, Beijing, CHINA 100083 email: rcsun3@bjfu.edu.cn

Specialty: Straw/wood fiber chemistry.

Will Discuss Formally and Informally: Utilization of straw fiber as novel materials for industries.

TEKLEYOHANNES, Anteneh Tesfaye, University of British Columbia, Dept. of Wood Science, 2424 Main Mall, Vancouver, BC, CANADA V6T 1Z4 (604-822-8203) (FAX 604-822-9195) email: anteneht@interchange.ubc.ca

Specialty: Wood products engineering--basic wood processing, Sawmilling; Drying and preservation; Composite materials and furniture.

Will Discuss Formally: Environmental aspects of wood products.

TICHY, ROBERT J., Sr. Research Engineer, Composite Materials and Engineering Center, Washington State University, 27013 Pacific Highway S, #179, Des Moines, WA 98198

(253-529-0900) (FAX 253-529-1326) email: bobtichy@msn.com

Will Discuss Formally: Engineered building materials and systems. Cellulose-based composites. Standards and Codes.

Will Discuss Informally: Above topics. The value of R&D; Product and market development.

TICHY, ROBERT J., Sr. Research Engineer, Composite Materials and Engineering Center, Washington State University, 27013 Pacific Highway S, #179, Des Moines, WA 98198

(253-529-0900) (FAX 253-529-1326) email: bobtichy@msn.com

Will Discuss Formally: Engineered building materials and systems.

Cellulose-based composites. Standards and Codes.

Will Discuss Informally: Above topics. The value of R&D; Product and market development.

VLOSKY, RICHARD P., Associate Professor, Louisiana State University, LA Forest Products Development Center, School of Renewable Nat. Res., Baton Rouge, LA 70803-6202 (225-578-4527) (FAX 225-578-4251) email: volsky@lsu.edu

Specialty: Marketing; Economic development.

Will Discuss Formally: Marketing; Forest products industry development.

Will Discuss Informally: Comparison of state development efforts.

WANG, XIPING, USDA Forest Service, Forest Products Laboratory, 1 Gifford Pinchot Drive, Madison, WI 53726-2398 (608-231-9461) (FAX 608-231-9508) email: xwang@fs.fed.us

Specialty: Nondestructive evaluation (NDE) of wood; NDE of wood structural members/systems; Wood drying.

Will Discuss Formally: NDE of trees, logs, lumber; NDE of structural members/systems.

Will Discuss Informally: Dry kiln control.

WIEDENBECK, JANICE K., Project Leader, USDA Forest Service, Northeastern Forest Experiment Station, 241 Mercer Springs Road, Princeton, WV 24740 (304-431-2708)

(FAX 304-431-2772) email: jwiedenbeck@fs.fed.us

Specialty: Secondary wood products processing; Manufacturing system simulation modeling; Production control.

Will Discuss Formally: Research pursuits and accomplishments of Princeton WV's work unit "Improved Processing Technology for Hardwoods" including gang-rip-first research and application programs; Rough mill simulation models; Yield improvement research; New hardwood lumber processing systems and technologies, etc.

WINANDY, JERROLD, Winandy & Associates LLC, 19872 Austin Street, NE, East Bethel, MN 55011 (763-434-9365) (cell: 608-234-8060) email: jwinandy@wisc.edu

Specialty: Engineered wood composites; Durability; Composites as tool for sustainable forestry.

Will Discuss Formally: Composites; Preservation; Property effects; Enhancing durability.

Will Discuss Informally: Standards; Codes; Physical/mechanical properties.

YAN, NING, Assistant Professor, University of Toronto, Faculty of Forestry, 33 Wilcocks St., Toronto, Ontario CANADA M5S 3B3 (416-946-8070) (FAX 416-978-3834) email: ning.yan@utoronto.ca

Specialty: Material science.

Will Discuss Formally: Wood composites performance; Adhesive-wood interactions; Wood/natural fiber plastic composites; Pulp and paper.

Will Discuss Informally: Durability and weathering of forest products.

ZERBE, JOHN I., 3310 Heatherdell Lane, Madison, WI 53713 (608-274-0714) email: jzerbe@fs.fed.us

Specialty: Wood as a source of energy and petrochemical substitutes; Use of wood to combat global climate change.

Will Discuss Formally: Conversion of wood to improved fuels; Wood as a raw material for alcohol production; Reduction of atmospheric carbon dioxide through wood utilization by conservation, sequestration and substitution.

Will Discuss Informally: History of the forest resource as a source of fuel; Current thinking on wood as a source of energy; Impact of energy usage on the future of our economy; Impacts of atmospheric carbon dioxide increase.