

## **AMIANDAMHEN. STEPHEN OSKUE**



### **Education:**

Stellenbosch University, South Africa, PhD Candidate, Wood Products Science  
University of Ibadan, Nigeria, MSc Wood Products Engineering (2014)  
University of Benin, Nigeria, BSc Forest and Wood Science (2008)

### **Occupation:**

Lecturer, Department of Forestry and Wood Science, University of Benin, Nigeria

### **Research Interests:**

Wood and fibre based composites; Biotechnology and chemical modification of natural fibres; Wood anatomy and properties; Pulp and paper technology

I was born in 1983 in Lagos State Nigeria. I am working on my PhD in Wood Products Science from Stellenbosch University, South Africa.

I have been a Lecturer for the Department of Forestry and Wood Science, University of Benin, Nigeria. I have received numerous awards including:

- Doctoral Scholarship award for non-South African students (2014), National Research Foundation, South Africa
- Best graduating student at the Postgraduate level (2014), University of Ibadan, Nigeria
- Best student 2004 to 2008 at the Undergraduate level, University of Benin, Nigeria

I currently belong to the Society of Wood Science and Technology (2015), the South African Institute of Forestry (2015), African Forest Forum (2015), and the Forestry Association of Nigeria (2010)

## **BARNES, H. MICHAEL**

### **Thompson Distinguished Professor of Wood Science & Technology**

Forest Products Laboratory, Forest & Wildlife Research Center,  
Department of Sustainable Bioproducts, College of Forest Resources  
Mississippi State University  
Box 9820  
Mississippi State, MS39762-9820  
Phone: (662) 325-3056. Fax: (662) 325-8126  
Email: mike.barnes@msstate.edu orhb1@msstate.edu

A native of Baytown, TX, Dr. Mike Barnes holds BS and MS degrees from Louisiana State University and a Ph.D. from the State University of New York College of Environmental Science & Forestry. He has been a member of the faculty in the Department of Sustainable Bioproducts, Mississippi State University since 1971 and has over 50 years of experience in research and teaching in wood science and wood preservation. He has served as a Visiting Professor in the Department of Biology, Royal College of Science at the Imperial College of Science, Technology & Medicine in London for one year and was a Visiting Professor/Scientist at Oregon State University during two summers. Also, he currently holds an appointment as an Adjunct Professor at Nanjing Forestry University & serves as Editor for *Wood & Fiber Science*.



His research interests include the effect of treatments on the properties and durability of wood and wood-based composites, treatment mechanics, preservation and deterioration of wooden members, components and structures, and the evaluation of new preservatives and fire retardants. During his career he has published over 200 articles, given countless presentations to scientific, technical, and lay groups worldwide, and has been awarded over \$12 million in extramural grants and contracts for research. Over the years he has taught numerous courses including wood physics, wood anatomy, wood processing, and deterioration & preservation and has served as advisor, major professor, or graduate committee member for countless students.

He is a member of the Society of Wood Science & Technology (Past President and Fellow), Forest Products Society (Past President), American Wood Protection Association, Railway Tie Association, International Academy of Wood Science (Fellow), Institute of Materials, Minerals & Mining (Fellow), International Research Group on Wood Protection, ASTM Committee D07, ASC Committee 05, IAWA, Mississippi Forestry Association, and the Southern Pressure Treaters Association. He also serves as a consultant. He has received numerous awards and accolades including the highest awards from six societies/institutions: Distinguished Service Award (SWST); Gottschalk Award (Forest Products Society); Award of Merit (American Wood Protection Association); Award of Merit (Railway Tie Association); Ralph E Powe Research Excellence Award (Mississippi State University for research); Hall of Fame (School of Renewable Natural Resources, LSU). An avid Scouter, he has received many awards from the Boy Scouts of America, civic organizations, and the city of Starkville for his youth and community work.

**BAYNE, KAREN**



Karen has 20 years' experience in the forest sector and is a senior scientist at the New Zealand Forest Research Institute (Scion). She holds a Bachelor in Technology from Massey University and a Master of Commerce (Hons) from The University of Otago. Though initially trained in Engineering, her research focus is in the Social sciences, and specialises in marketing and consumer behaviour, particularly in determining what individuals and markets want and value from forests and forestry products and services. Her research interests include technology adoption and social impacts from new technology; innovation and new product development; market perceptions and public use of natural resources.

**BERG, ALEX**

Dr. Berg realized postgraduate studies at the University of Hamburg, Germany. Since 1994 he occupies the position of Executive Director of the “Unidad de Desarrollo Tecnológico” in the University of Concepción, a entity whose main goal is to strengthen the joint work between industry and university through the development of new products and technologies.

## **BERGMAN, RICHARD**



Rick conducts research on the holistic environmental impacts of wood products and novel bioenergy systems using life-cycle assessment (LCA). His PhD in 2012 focused on evaluating the dynamics of GHG emissions for long-lived products. Along with conducting LCAs for developing environmental product declarations, Rick is on committees for green building standards and codes and is part of a team developing an integrated LCA modeling tool for biofuel production from an ecosystem perspective on beetle-killed forests.

Major research objectives include:

- 1) developing LCA data for wood products and for novel bioenergy systems that make synthesis gas, biochar, briquettes, and torrefied wood,
- 2) investigating the time value of carbon and associated GHG emissions related to forest management practices and the final disposition of wood products

## **CARDOSO, ANDRES**



Andrea Cardoso, MSc Student and Agriculture Engineer (minor in Forestry) from Universidad de la República, Uruguay.

Currently, Researcher at Laboratorio Tecnológico del Uruguay (LATU). My professional interests involve research on structural timber and wood characterization.

## **COSTA, FERNANDA**

## **COUCEIRO, JOSE**



José Couceiro, originally from Spain, where he studied Forestry, he got his Master's degree in Wood Technology in Luleå University of Technology, in Sweden. He is nowadays a PhD student in the same university, working with Wood Drying and CT scanning technologies.

## **DE ARAUJO, VICTOR**



### **EDUCATION**

<b>Institution</b>	<b>Location</b>	<b>Year</b>	<b>Degree</b>	<b>Field of study</b>
USP/ESALQ – University of São Paulo	Brazil	2013-...	Direct-PhD	Forest Sciences
UNESP – São Paulo State University	Brazil	2003-2011	B.A.	Wood Industrial Engineering
CEETEPS – Paula Souza Center	Brazil	2000-2002	Technician	Informatics

### **TRAINING**

<b>Institution</b>	<b>Location</b>	<b>Year</b>	<b>Duration</b>	<b>Field of study</b>
UMinho – University of Minho	Portugal	2015	4 hours	Urban regeneration
KLH Portugal – Kreuz Lagen Holz	Brazil	2014	4 hours	Bulding designer formation
ESAGS – School of Administration	Brazil	2013	8 hours	Behaviours of excellence
ESAGS – School of Administration	Brazil	2013	8 hours	Formation of leaders
AGROARQ – Advice on Business	Brazil	2012-2013	120 hours	Conformity assessment training
AGROARQ – Advice on Business	Brazil	2011-2011	24 hours	Normalization training
MISSLER – Missler Software Brazil	Brazil	2011	40 hours	TopSolid 2010 design software
WIZARD – Wizard Language School	Brazil	2003-2009	500 hours	English language

<b>POSITION</b>				
<b>Institution</b>	<b>Location</b>	<b>Year</b>	<b>Position</b>	<b>Role</b>
Research Group LIGNO	Brazil	2010-...	Researcher	Lignocellulosic products studies
Research Group LIGNO	Brazil	2011-...	Coordinator	Executive coordination
Municipal Council of Itapeva city	Brazil	2013-2014	Director	Volunteer principal agent
RESES Project(UFSCar/ITESP/FINEP)	Brazil	2012-2012	Coordinator	Production chain coordination
Research Group LIGNO	Brazil	2011-2011	Internship	Mandatory first job experience

<b>HONOR</b>			
<b>Institution / Event</b>	<b>Location</b>	<b>Year</b>	<b>Specific Honor</b>
CTFlor – Congress of Forestry Science	Brazil	2014	2 <sup>nd</sup> prize in postgrad category-oral presentation
University of São Paulo	Brazil	2014	Migration from MSc to Direct-PhD in forestry
Fordham Business Challenge	USA	2013	Among the 10 finalists to a MBA scholarship
Sweden Brazil Scholarship Challenge	Sweden	2012	Among the 20 finalists to a MSc scholarship
São Paulo State University	Brazil	2011	Maximum grade in the graduation work of B.A.

<b>FIELD OF STUDY</b>	
<b>Main field</b>	<b>Research goal</b>
Timber housing	Wooden architecture, wooden typologies, housing production
Timber industry	Industrial and production sectors from forest-timber chain
Wood industrialization	Processing of wood and manufacturing of timber products
Forest-timber products	High-added value products and wood waste-based products
Lignocellulosic composites	Structural lignocellulosic boards and beams
Lignocellulosic raw materials	Physical-mechanical characterization of wood, bamboo, and their wastes

### **DEVALLANCE, DAVID**

David DeVallance is an Associate Professor and Program Coordinator in the Wood Science and Technology Program in the School of Natural Resources at West Virginia University (WVU). His current research focuses areas include: feasibility of biomass for co-generation, biomass pre-processing and pelletizing, development of bio-based composite materials, non-destructive material evaluation, and adhesion and structural properties of cross laminated timbers.

### **FRANCA, TÂMARA**



Tâmara França is native from Brazil, and has lived in Starkville, Mississippi since August 2014. She is a PhD student at Mississippi State University, USA and has a Master degree in Forest Science (2014) from the Federal University of Espírito Santo, Brazil and Wood Technology Bachelor degree (2012) from the Para State University, Brazil. In 2013, Tâmara did an internship at the Forest Product Laboratory, located in Madison, USA, where she conducted natural resistance tests and analyzed wood properties of African mahogany by nondestructive tests. In 2013, Tâmara received a Certificate of Appreciation from USDA Forest Service in appreciation of her research contribution to the US Forest Service – Forest Product Laboratory, USA. Her PhD research is focused on Southern Yellow Pine in-grade lumber evaluation. The goals of her PhD are to evaluate the influence of different types of defects on wood quality and based on that improve the classification system of southern pine lumber. Her areas of interest are nondestructive wood testing, physical and mechanical properties of wood, biodegradation and deterioration of wood and wood quality.

### **FRANCA, FREDERICO**



Frederico José Nistal França is a PhD student at Mississippi State University - USA. Originally from Brazil, he holds a Master degree in Forest Science (2014) and a Wood Industry Engineering degree (2012) from the Federal University of Espírito Santo - Brazil. His areas of interest are: physical and mechanical properties of wood, nondestructive evaluation of wood (NDT), modeling, heat and mass transfer during wood drying. In 2013 Fred did an internship at the Forest Product Laboratory, located in Madison, USA, where he analyzed stress wave transmission in Eucalyptus wood. In 2013, Frederico received a Certificate of Appreciation from USDA Forest Service in appreciation of his research contribution to the US Forest Service – Forest Product Laboratory, USA. In his PhD research, predict the modulus of elasticity (MOE) and modulus of rupture (MOR) of Southern Yellow Pine based on NDT and visual grading are his goals for a better understanding of the relationship between elastic waves and wood properties.

## **FRIHART, CHARLES**



Chuck Frihart is an organic chemist who worked in industry for 23 years before joining the Forest Products Laboratory. He has worked in both applied technology and fundamental science and likes to merge these areas to make advances in technology. He develops structure-property relationships by combining organic chemical, mechanical, and analytical information. His main areas of interest are in understanding the performance of bonded wood products and developing protein-based adhesives. He has 31 patents and over 120 published papers.

The Forest Products Laboratory is the only research laboratory within the United States Forest Service that does research on products made from trees. The FPL covers all areas of wood research from building structures to paper and from wood preservation to disassembly of wood into components. We are leading the advances on nanotechnology related to wood.

## **HANSEN, ERIC**



Eric received a B.S. in Forest Products Business Management from the University of Idaho in 1990. He completed his PhD in the spring of 1994 at Virginia Tech, specializing in Forest Products Marketing. He began working for Oregon State University (OSU) in August 1994 and was promoted to Full Professor in the Department of Wood Science and Engineering in 2005. Current research areas are organizational innovation, corporate social responsibility, and strategic marketing.

During a sabbatical in Finland (2000-2001) he co-authored a textbook, *Strategic Marketing in the Global Forest Industries*. The book is now available in its 2<sup>nd</sup> edition (2011). He teaches innovation and marketing management topics at OSU for undergraduate and graduate students as well as for regional industry managers. Internationally he actively works with the US-based Softwood Export Council where he is currently the past-Chairman and he currently serves as President of the Society of



## **HYYTÄ, ANNIKA**



**EDUCATION:** Doctoral student in Forest economics and marketing “Sustainable development – international framework – overview and analysis in the context of forests and forest products” in the Department of Forest Sciences Forest economics and marketing;, Faculty of Agriculture and Forestry, University of Helsinki. Received a MSc in Agriculture and Forestry in 2005 from the Department of Forest Economics, Faculty of Agriculture and Forestry, University of Helsinki Discipline: Forest Economics and Marketing. Main subject: Business Economics of Forestry, Minor subjects: Forest Products Marketing, Communication Thesis: A Comparative Analysis of Forest Certification procedures in relation to the ISO Standards (2005).

## **IBAÑEZ, CLAUDIA**

Claudia Ibañez is Chemical Engineer since 2004 and Dr in Chemistry since 2015. She has worked in the School of Chemistry from the Universidad de la Republica for twelve years. Now she belongs to the Instituto Superior de Estudios Forestales, of the Sede Tacuarembó of the same University.

## **KAKKAR, GAURAV**

Gaurav Kakkar is a graduate student at the Department of Sustainable Biomaterials at Virginia Tech. His research focuses on supporting the wooden-modular home construction industry in logistics and export aspects.

## **KULJICH, SYETKA**

Svetka Kuljich is PhD student from the Laval University. She holds a master’s degree in Wood Science from the same university and a B.Sc in Forestry from La Molina University of Lima, Peru.

## **KUTNAR, ANDREJA**



Andreja Kutnar is Associate Professor in the field of Wood Science at University of Primorska, Slovenia. She is coordinating H2020 Teaming project Renewable materials and healthy environments research and innovation centre of excellence (InnoRenew CoE). Furthermore, she is chair of COST Action FP1407 “Understanding wood modification through an integrated scientific and environmental impact approach (ModWoodLife).

## **KUZMAN, MANJA KITEK**

Assist.Prof. Manja Kitek Kuzman, PhD architect  
University of Ljubljana  
Department of Wood science and technology  
Biotechnical Faculty  
Jamnikarj  
eva 101  
SI-1001  
Ljubljana

Slovenia,  
EU  
Phone +386 1 320 36 04  
E-  
mail:manja.kuzman@bf.uni-  
lj.si www.lesena-gradnja.si,  
www.bf.uni-lj.si



Manja Kitek Kuzman is focused on teaching and research in the field of design and construction, developing wood construction and innovative use of wood in cooperation with industry. She teaches at the Department of Wood Science and Technology at Biotechnical Faculty and at the Academy of Fine Arts and Design, University of Ljubljana. Recently she has published multiple books. The latest, “Contemporary Slovenian Timber Architecture for Sustainability” was published by Springer in 2014.

scientific and professional career as an independent architect and as head of engineering at the company “Lesnina Inženiring”. In 2007 she received her doctoral degree from the Faculty of Architecture with a thesis titled *Wooden Spatial Construction Elements in Architecture Planning: New Ways of Using Wood*. In her postgraduate studies she acquired further experience by leading international experts in the sector of wood structures. She studied under Professor

J. Natterer at the Swiss *École Polytechnique Fédérale de Lausanne* and with Professor R. Schweitzer in Paris, France. Between 2002 and 2003, she undertook a research at *Comité national pour le développement du bois* in Paris, France and also worked as an independent architect

Presently, she is focused on teaching and research in the field of design and construction, developing wood construction and innovative use of wood. She teaches at the Department of Wood Science and Technology at the Biotechnical Faculty and at the Academy of Fine Arts and Design, University of Ljubljana.

She also participates in international and national research projects, works as the editor of the webzine [www.lesena-gradnja.si](http://www.lesena-gradnja.si) and is a member of Chamber of architecture and Environmental Planning of Slovenia. Her contributions have been featured in national and international journals. She recently published few scientific monographs on timber construction and design: *Wood Construction – Slovenia’s Challenge and Opportunity* (2008); *Wood in Contemporary Slovenian Architecture 2000–2010* (2000), *Wood Construction in Residential and Public Infrastructure* (2012) and the latest, “*Contemporary Slovenian Timber Architecture for Sustainability*” published by Springer in 2014.

### **KWON, JIN HEON**

Jin Heon Kwon is Prof.Dr. at Department of Forest Biomaterials Engineering, College of Forest and Environmental Sciences, Kangwon National University. He got his Ph.D. from Seoul National University. Prof.Dr. Kwon works on physical and mechanical properties wood-based composites. He also works on use of nanocellulose in adhesives and wood-based composites.

### **LOWELL, EINI**



Lowell earned a B.S. in forestry, with a wood science and technology emphasis, from the University of Maine at Orono, and an M.S. in forest products from Oregon State University. She worked for the state of Maine’s forest products marketing program, ran her own consulting business, and conducted wood quality research at the Department of Forest Products at OSU before joining the Forest Service’s Pacific Northwest Research Station in

dead and dying trees, use of hardwoods, and opportunities tailored to community needs for using small-diameter trees and other woody biomass. She is currently involved in identifying ways to use by-products of forest restoration and fuels reduction treatments to benefit communities and to aid reducing the cost of these management activities. This includes research on value-added product opportunities including extraction of chemicals and production of renewable fuels from wood.

Ms. Lowell is a Research Scientist with the USDA Forest Service PNW Research Station in Portland, OR. She has been involved with wood quality and wood utilization research for 30 years. Her research addresses land management activities and their effect on wood product quality, deterioration and utilization of dead and dying trees, utilization of hardwoods, and opportunities for using biomass and small diameter trees focusing on integration of markets specifically at the rural community level.

### **McKINLEY, PAIGE**



Paige McKinley is originally from North Carolina and completed her B.S. in Wood Science and Forest Products from Virginia Tech in 2014. She is now working on her M.S. in Wood Science and Engineering from Oregon State University, working for Drs Fred Kamke and Ari Sinha. Her research is focused on the moisture durability of wood composite bonds and the effects of adhesive penetration into the wood cell wall. She uses a variety of techniques such as X-ray Computed Tomography, Digital Image Correlation, and Energy Dispersive Spectroscopy. She will finish her degree in August 2016 and will work in the wood composites manufacturing industry.

## **MORRIS, PRISCILLA**



Priscilla came to North Carolina State University in the fall of 2007 to begin her undergraduate degree in Forest Management. Upon graduation in 2012, she began a graduate degree in Forest Biomaterials, where she specialized in the study of Non-industrial Private Forest Landowners' and Agriculture Landowners' Perceptions and Knowledge of Biomass and the Bio-energy Industry. She finished her Master's Degree in 2014, and began working for a veneer manufacturing facility in sales and procurement. In January of 2015 she came back to North Carolina State University to begin her PhD on the Socio-Economic Effects of Sea-Level Rise and Salinization in the Albemarle-Pamlico Peninsula area. In her research Priscilla is focusing on the key markets in this region that include the forest products markets, agriculture markets, tourism and ecotourism markets.

## **MOYA ROGUE, ROGER**

Name:	Róger Moya Roque	A photograph of Roger Moya Roque, a man with dark hair, wearing a white shirt, against a red background.
Academic degree:	PhD in wood Technology	
Address:	CIIBI-ITCR Apartado 159-7050, Cartago, Costa Rica	
Email:	<a href="mailto:rmoya@itcr.ac.cr">rmoya@itcr.ac.cr</a>	

**Biographical notes:** Roger Moya Roque received his B.S from the Instituto Tecnológico de Costa Rica, his M.S from Universidad de Concepción-Chile and PhD from Universidade de São Paulo-Brazil. At Brazil he studied density and anatomy variation on wood with x-ray densitometry and analysis image, respectively in the PhD research. He joined the Forestry School of Instituto Tecnológico de Costa Rica and has served on committees for large number organizations of Costa Rica. He has authored more than 70 scientific papers and 5 books.

### **NEYES, BENEDIKT**

Born in Germany in 1986.

B.Eng. in mechanical engineering at FH Aachen university of applied sciences/Germany (2012).

M.Sc. in wood technology at Luleå university of technology/Sweden (2015).

PhD student in wood technology at the same university since March 2015.

Specialized in wood modification and product development.

### **OPORTO, GLORIA**



Dr. Gloria S. Oporto is a faculty member at the Forestry Department at West Virginia University. She completed her BSc. in Chemical Engineering at the University of Concepción, Chile, and she continued working at the University of Concepcion as Research Engineer in areas that included wood chemistry, wood based composites, and energy from woody biomass. She received her Doctor of Philosophy degree in Forest Resources from the University of Maine in December, 2009. From 2010, she is working as Assistant Professor of Wood Science and Technology at West Virginia University, USA and her main interests are focused in the area of composites and biomaterials from lignocellulosic sources.

### **PESZLEN, ILONA**

Ilona Peszlen is an Associate Professor at the Department of Forest Biomaterials, North Carolina University. Previously, she was a faculty member at the Department of Forestry, Iowa State University and at the Institute of Wood Sciences, University of West Hungary. She teaches wood property related courses. Her research emphasis is on juvenile and reaction wood, effects of environment on wood properties, genetic improvement of wood quality, and on properties and utilization of plantation wood.

## **QUESEDA-PINEDA, HENRY**



Henry Quesada-Pineda is an associate professor at the Department of Sustainable Biomaterials at Virginia Tech in Blacksburg, Virginia, USA. He is interested in applications of supply chain management, operations research, and marketing for renewable-based material industries.

## **SPEAR, MORWENNA**



Morwenna Spear is a research scientist at Bangor University, Wales, UK, who specialises in wood modification, spectroscopy, and mechanical and physical properties testing, as well as working with companies on a wide range of scale up projects. She studied Forestry and Forest Products and gained a broad understanding of timber properties and how they relate to silviculture, which has underpinned her work with companies to add value to Welsh timbers. She is currently also engaged in the NRN-LCEE Plants and Architecture cluster, where materials science and bio-mimicry will bring innovation into the urban environment.

## **WANG, JINGXIN**



Dr. Jingxin Wang is Professor and Associate Director for Research, and the Director of Renewable Materials and Bioenergy Research Center in the Division of Forestry and Natural Resources at West Virginia University, USA. He received his degrees in Forest/Mechanical Engineering from Northeast Forestry University, China. He received a M.S. in Computer Science from West Virginia University, and a Ph.D. in Forest Resource Management from the University of Georgia, USA. His research interests include biomass energy and bioproducts, forest carbon sequestration and optimization, computer simulation and system modeling, and forest ecosystem management. Dr. Wang has authored or coauthored 140 refereed papers, and 12 books or book chapters. Currently, he is a leading PI for seven USDA and USDOE biomass energy and bioproducts projects. He has served as an editorial board member and associate editor for four international journals and adjunct professor for four Chinese universities/institutions. He is an active member in six international professional societies.

## **WIMMER, RUPERT**

Professorships for Wood Science, Fibre-based Materials, Wood Technology and Wood-based Composites at different Universities (Austria, Germany, Czech Republic), Management experience in academic and professional organizations; full-time management experience in industry, guest-scientist and Visiting Professor in Europe, USA and Australia, elected Fellow of the International Academy of Wood Science. 110 peer-reviewed publications, 230 others.

## **WINANDY, JERROLD**



Jerrold E. Winandy is Principal Partner in Winandy & Associates LLC and serves as



PhD from Oregon State University. He formerly was the Project Leader of the Engineered Composites Science researchwork unit at the U.S.D.A., Forest Products Laboratory in Madison, WI. He is a Fellow in the International Academy of Wood Science and in the Society of Wood Science and Technology.

He is a former President of the SWST. His personal research has historically dealt primarilywith the defining and modeling the effects of chemical, thermal, andbiological agents on theengineering properties on wood and wood composites and has authored or co-authored over 185 publications.

Jerrold E. Winandy,

Ph.D. Winandy &  
Associates LLC  
Ham Lake, MN  
55304 Phone =  
763-434-9365  
Cell = 608-234-8060  
Email = [jwinandy@umn.edu](mailto:jwinandy@umn.edu)  
web = [www.winandyassociates.com](http://www.winandyassociates.com)