



XXI TECNICELPA Conference and Exhibition/VI CIADICYP 2010
12-15 October 2010, FIL (Parque das Nações) – Lisbon, Portugal



List of Oral presentations sorted by Title

Title	#	Co-authors	Institutions
A New Approach for the Modification of Paper Surface Properties by Polyoxometalates	T026	Mikhail S. Saraiva, José A. F. Gamelas*, Paulo J. Ferreira	<i>Chemical Engineering Department, University of Coimbra, Pólo II – R. Silvio Lima, 3030-790 Coimbra, Portugal</i>
A Novel Way of Combining Chlorine Dioxide and Molybdate Catalyzed Hydrogen Peroxide for Improved Delignification and Bleaching of Eucalyptus Kraft Pulp	T059	Cesar Loporini ¹ , Thomas Dietz ^{2*}	<i>1Evonik Degussa Brasil Ltda., Alemada Campinas, 579 3° ao 12° and. 01404-000 São Paulo – SP – Brasil 2Evonik Degussa GmbH, Rodenbacher Chaussee 4, 63457 Hanau-Wolfgang, Germany</i>
Advanced Studies on <i>E. globulus</i> Wood Kraft Cooking	T067	Gabriel D. A. Sousa ¹ , Belinda I. G. Soares ^{1,2}	<i>1RAIZ, Research Institute of Forestry and Paper, Quinta de S. Francisco, Apart. 15, 3801-501 Eixo, Portugal 2 On leave to: CICECO, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal</i>
Advances in Use of Fibre Modification Enzymes in Paper Making	T148	Raj Gill*	<i>Buckman Laboratories S. A., Wondelgemkaai 159, 9000 Gent, Belgium</i>
Antioxidant Activity of Lignin Phenolic Compounds Extracted from Kraft and Sulphite Black Liquors	T055	Hélio M. F. Faustino ¹ , Nuno R. S. Gill, Cecília M.C. Baptista ^{1,2} , Ana Paula C. Duarte ^{3, 4}	<i>1 Research Unit of Textile & Paper Materials, University of Beira Interior, 6201-001 Covilhã, Portugal 2 Polytechnic Institute of Tomar, ESTT, Department of Engineering and Environment, 2300-313 Tomar, Portugal 3 University of Beira Interior, Faculty of Health Sciences, 6201-001 Covilhã, Portugal 4 Health Sciences Research Centre, University of Beira Interior, 6201-001 Covilhã, Portugal</i>
Application of Ultrasonic Treatment of Pulp and Xylans Addition at Secondary Fibre Industry	T102	Mauro Manfredi*, Rubens C. de Oliveira	<i>Laboratório de Celulose e Papel. Departamento de Engenharia Florestal. Universidade Federal de Viçosa. Campus, Viçosa – MG, Brasil 1Grupo LEPAMAP. Dpto. De Ingeniería Química, Escuela Politécnica Superior, Universitat de Girona. Avda. Lluís Santaló, S/N. 17071- Girona (Spain) 2Grupo Celulosa y Papel, Chemical Engineering Dpt, Chemical Faculty, Complutense University of Madrid 28040 – Madrid (Spain)</i>
Aptitude of Cellulosic Fibres From Whole Corn Stalks	T091	Jirleska Flandez ¹ , M.Àngels Pèlach ¹ , Julio Tijero ² , Fabiola Vilaseca ¹ , Miquel Llop ¹ , Pere Mutjèl	<i>1RAIZ, Research Institute of Forestry and Paper, Quinta de S. Francisco, Apart. 15, 3801-501 Eixo, Portugal ICESAM & Department of Environment and Planning, University of Aveiro, 3810-193 Aveiro, Portugal 2RAIZ, Quinta de S. Francisco, Apartado 15, 3801-501 Eixo, Portugal</i>
Biorefinery Development Pathways: a Survey for the Pulp and Paper Industry	T095	Gabriel D. A. Sousa ¹	<i>1Grupo Portucel Soporcel, Complexo Industrial da Figueira da Foz, Apartado 5, Lavos, P-3081-851 Figueira da Foz. 2grupo Portucel Soporcel, RAIZ, Apartado 15, P-3801-501 Eixo, Portugal</i>
Carbon Footprint: Why, for What and How?	T126	Ana C. Dias ^{1*} , Luís Arroja ¹ , Luís Machado ² , José Amaral ² , Fausto Freire ³	<i>1CONTECH Produtos Biodegradáveis Ltda., Rua Catharina Farsarella Gallego, 126, Country Club, CEP 13278-073, Valinhos – SP, Brasil 2CONTECH Produtos Biodegradáveis Ltda., Rua Catharina Farsarella Gallego, 126, Country Club, CEP 13278-073, Valinhos – SP, Brasil</i>
Characterizing Inkjet Printing Quality from Perception to Quantification	T104	Nuno J. Oliveira ^{1*} , António P. Mendes de Sousa ²	<i>1RAIZ, Research Institute of Forestry and Paper, Quinta de S. Francisco, Apart. 15, 3801-501 Eixo, Portugal 2Portucel – Empresa Produtora de Pasta e Papel, S. A., Cacia Mill, Rua Bombeiros da Celulose,</i>
Chemical Balances of a Modern Eucalyptus Bleached Kraft Pulp Mill	T019	Markku J. Pekkanen	<i>Pöyry Finland Oy</i>
Chemical Pitch and Stickies Control	T145	Wagner Barreira ¹ , Ricardo de L. Barreto ^{2*} , Marcia A. Abouchar ¹	<i>1CONTECH Produtos Biodegradáveis Ltda., Rua Catharina Farsarella Gallego, 126, Country Club, CEP 13278-073, Valinhos – SP, Brasil 2CONTECH Produtos Biodegradáveis Ltda., Rua Catharina Farsarella Gallego, 126, Country Club, CEP 13278-073, Valinhos – SP, Brasil</i>
Cost Savings by Optimising Vacuum Capacity	T170	Olli Kääpä	<i>Heimbach GmbH & Co. KG, 52348 Düren, Germany</i>
Current Status and Challenges of the Japanese Paper Industry	T182	Kunitaka Toyofuku	<i>JAPAN TAPPI</i>
Dynamic and Steady-State Process Modeling - Practical Applications at Cacia Mill	T084	Alexandre M.R. Gaspar ^{1*} , Luis M.C. Machado ¹ , Isabel M. C. L. Sêco ² , Pedro C. M. Silva ²	<i>1Raiz - Instituto de Investigação da Floresta e Papel, Quinta de S. Francisco, Apartado 15, 3801-501 Eixo, Portugal 2Portucel – Empresa Produtora de Pasta e Papel, S. A., Cacia Mill, Rua Bombeiros da Celulose,</i>



XXI TECNICELPA Conference and Exhibition/VI CIADICYP 2010
12-15 October 2010, FIL (Parque das Nações) – Lisbon, Portugal



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Effect of Long-Fibred Reinforcement Pulp on Mechanical Properties of Short Fibre-Based Paper	T135	Eero Hiltunen, Hannu Paulapuro	<i>Aalto University, School of Science and Technology, P.O. Box 16300, 00076 Aalto, Helsinki, Finland</i>
Electrospun Cellulose Acetate Nano- and Micro-Fibers Reinforced with Cellulose Nanocrystals	T163	María E. Vallejos* ^{1,2} , María S. Peresin ³ , Orlando J. Rojas ^{3,4}	<i>1Programa de Investigación de Celulosa y Papel - FCEQyN – Universidad Nacional de Misiones 2Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) 3Department of Forest Biomaterials - North Carolina State University - Raleigh, U.S. 4Department of Forest Products Technology, Faculty of Chemistry and Materials Sciences, Helsinki University of Technology, Finland</i>
Enzymatic Hydrolysis vs. Refining on Recycled Kraft Pulp	T133	Mirtha G. Maximino ^{1,2} *, Ana M. Adell ¹ , Ma. Claudia Taleb ¹	<i>1Instituto de Tecnología Celulósica. Facultad de Ingeniería Química. Universidad Nacional del Litoral. Santiago del Estero 2654. CP: S3000AOJ Santa Fe. Argentina. 2Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET). Santiago del Estero 2654. 3000 Santa Fe. Argentina</i>
Enzymatic Treatments with Laccase: an Alternative to the Conventional Internal Sizing of Paper?	T115	Jordi Garcia ¹ , M.Blanca Roncero ¹ , Josep F. Colom ¹ , Teresa Vidal ¹ *	<i>Textile and Paper Engineering Department. ETSELAT. Universitat Politècnica de Catalunya. Colom 11. E-08222 Terrassa, Spain.</i>
Enzymes Application Combined with Ultrasonic Waves to Develop Recycled Paper Properties	T106	Juliana C. da Silva; Rubens C. de Oliveira*	<i>Universidade Federal de Viçosa, Laboratório de Celulose e Papel, 36570-000 Viçosa, MG-Brasil</i>
Evaluation of Different Lignins for Oxidative Conversion to High Added-Value Phenolic Aldehydes	T057	Paula C. O. R. Pinto*, Eduardo A. B. Silva, Alírio E. Rodrigues	<i>1Laboratory of Separation and Reaction Engineering – LSRE, Associate Laboratory LSRE/LCM, Department of Chemical Engineering, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias s/n, 4200-465 Porto, Portugal</i>
Evaluation of Sources and Routes of Non-Process Elements in a Modern Eucalyptus Kraft Pulp Mill	T047	Javier Doldán ¹ *, Outi Poukka ² , Keijo Salmenoja ² , Marcos Battagazzore ³ , Virginia Fernandez ³ , Inés Eluén ³	<i>1 Departamento de Proyectos Forestales - LATU - Av. Italia 6201, C.P. 11500 Montevideo, Uruguay 2 Oy Metsä-Botnia Ab – FI-26101 Rauma, Finland 3 UPM Fray Bentos mill – Ruta Puente Puerto Km 307 Fray Bentos, Uruguay</i>
Evaluation of Steam Explosion as a Pretreatment prior to Kraft Pulping of <i>Eucalyptus globulus</i> Wood	T051	Raquel Martín-Sampedro ¹ *, Esteban Revilla ¹ , Juan A. Martín ¹ , María E. Eugenio ¹ , Juan C. Villar ¹	<i>1Instituto Nacional de Investigación y Tecnología Agraria y Agroalimentaria INIA. Carretera de la Coruña, km 7.5, 28040, Madrid</i>
Extraction of Hemicelluloses Prior to Kraft Cooking: a Step for an Integrated Biorefinery in the Pulp Mill	T079	Cátia V.T. Mendes ^{1,2} , Jorge M.S. Rocha ¹ , Gabriel D.A. Sousa ² , M. Graça V.S. Carvalho* ¹	<i>1CIEPQPF, Department of Chemical Engineering, University of Coimbra, R. Sílvio Lima, 3030-790 Coimbra, Portugal 2RAIZ, Research Institute of Forestry and Paper, Qta. São Francisco, Apartado 15, 3801-501 Eixo, Portugal</i>
Fiber Recovery from Carton Board Containers for Liquids: Assessment of Yield and Fiber Quality by Treatments with a Hydrapulper and a Ball Meal	T044	José Turrado ¹ *, Martha F. Dávalos-Gómez ² , Ezequiel Delgado ²	<i>Universidad de Guadalajara, Centro Universitario de Ciencias Básicas e Ingeniería, Departamento de Madera Celulosa y Papel “Ing. Karl Augustin Grellmann”, Guadalajara-Mexico</i>
Fractionation and Refining of Bleached Thermomechanical Pulps	T099	M.Angels Pèlach ¹ *, Angeles Blanco ² , Marcel Caner ¹ , Josep Puig ¹ , Pere Mutjé ¹	<i>1LEPAMAP Group. Department of Chemical Engineering (EQATA), Universitat de Girona. Campus Montilivi, Edifici P-I, 17071 Girona (Spain) 2Grupo de Celulosa y Papel, Department of Chemical Engineering. Universidad Complutense de Madrid, Avda. Complutense, s/n, 28040 Madrid (Spain).</i>
Grouping Statistically Emissions from a Recovery Boiler	T152	Esa K. Vakkilainen* ¹ , Marcelo Hamaguchi ¹ , Daniel Coronel Laux ¹	<i>1Lappeenranta University of Technology, P.O. Box 20, FI-53581 Lappeenranta, Finland</i>
Highly Selective Delignification of Eucalypt Pulp with Polyoxometalate Assisted by Enzymatic Catalysis or Electrolysis	T122	Dmitry V. Evtuguin ¹ *, José A.F. Gamelas ² *, Ana M.R.B. Xavier ¹	<i>1CICECO/Department of Chemistry, University of Aveiro, 3810-193, Aveiro, Portugal 2Department of Chemical Engineering, University of Coimbra, Pólo II – R. Sílvio Lima, 3030-790 Coimbra, Portugal 3ADAI, Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal</i>
Hygroexpansivity and Dimensional Stability on a Reprographic Paper Machine	T157	Afonso H. T. Mendes ¹ *, Song W. Park ¹ , Paulo J. T. Ferreira ² , Fabio S. Almeida ³	<i>1Departamento de Engenharia Química, Universidade São Paulo Av. Prof. Luciano Gualberto – travessa 3, 380 05508-900 São Paulo-SP, Brasil 2Departamento de Engenharia Química, Universidade de Coimbra Polo II - R. Sílvio Lima 3030-790 Coimbra, Portugal 3Compacel S.A.Bairro do Lageado s/n 13465-970, Americana-SP, Brasil</i>
Image Analysis Application for Evaluation of Dimensional	T156	Afonso H. T. Mendes ¹ *, Hae Y. Kim ² ,	<i>1Departamento de Engenharia Química, Universidade de São Paulo Av. Prof. Luciano Gualberto –</i>



XXI TECNICELPA Conference and Exhibition/VI CIADICYP 2010
12-15 October 2010, FIL (Parque das Nações) – Lisbon, Portugal



Stability of Reprographic Paper from Hardwood Fibers		Song W. Park1	<i>travessa 3, 380 05508-900 São Paulo-SP, Brasil</i> <i>2Departamento de Engenharia de Sistemas Eletrônicos, Universidade de São Paulo, Av. Prof. Luciano Gualberto – travessa 3, 158 05424-970 São Paulo-SP, Brasil</i>
Influence of a Laccase Bleaching Process Variables on Bleached Pulp Properties	T114	Maria E. Eugenio1*, Jesús Miranda1, Raquel Martin-Sampedro1, Juan C. Villar1	<i>1 Instituto de Investigación y Tecnología Agraria y Agroalimentaria INIA. Carretera de la Coruña, km 7.5, 28040, Madrid</i>
Interactions of Polyelectrolytes with Pulp Fines	T010	Elina Orblin*, Pedro Fardim	<i>Laboratory of Fibre and Cellulose Technology, Åbo Akademi University, Porthaninkatu 3, FI-20500 Turku, Finland</i>
Introduction of a New, Modern Roll Covering and Service Workshop Near Zaragoza	T188	Philippe A. Bringier1, Benno Bader2*	<i>ISKAPA POLY TECK SL; Calle Bari 57, Centro de Negocio Ayanet, CP 50197 ZARAGOZA</i>
Making the Impossible Possible	T186	Kari Räisänen*, Michel Bauchu, Teuvo Virkkunen, Hannu Turpeinen, Hannu Partanen	<i>Metso, Paper business line</i>
Modelling of Char Bed Active Layer for Application in a Kraft Recovery CFD Comprehensive Model	T147	Daniel J. O. Ferreira	<i>1 Universidade de São Paulo – Escola Politécnica – Dep. Engenharia Química. Av. Luciano Gualberto 380 trav.3 CEP 05508-900 São Paulo – Brasil.</i> <i>2 Departamento de Engenharia Química, Universidade Federal de Minas Gerais, Escola de Engenharia – CEP: 30160-030 Belo Horizonte – MG – Brasil</i>
Nanostructures Cleaved from Fiber Self-Assemblies and their Bioconversion	T158	Orlando Rojas	<i>1Department of Forest Biomaterials, North Carolina State University, Campus Box 8005, Raleigh, NC 27695</i> <i>2Faculty of Chemistry & Materials Sciences, Dept. Forest Products Technology, Aalto University, P.O. Box 3320, FIN-02015 TKK, Espoo, Finland</i>
Nanotechnology as a Tool for Increased Sustainability	T189	Joakim Carlén, Michael Persson and John Sandström	<i>Product and Business Development, Eka Chemicals, Bohus, Sweden</i>
New Insights into Chromophore Chemistry of Eucalypt Pulps Assessed by UV-Resonance Raman Micro-Spectroscopy	T077	Pedro E.G. Loureiro*1, António J.S. Fernandes2, Fernanda P. Furtado3, M. Graça V.S. Carvalho1, Dmitry V. Evtuguin4	<i>1CIEPQPF, Departamento de Engenharia Química, Universidade de Coimbra, 3030-790 Coimbra, Portugal</i> <i>213N, Departamento de Física, Universidade de Aveiro, 3810-193 Aveiro, Portugal</i> <i>3RAIZ, Instituto de Investigação da Floresta e do Papel, Qta. São Francisco, Apartado 15, 3801-501 Eixo, Portugal</i> <i>4CICECO, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i>
New Materials from Cellulose Fibres. A Contribution to the Implementation of the Integrated Biorefinery Concept	T175	Carmen S. R. Freire, Armando J. D. Silvestre, Alessandro Gandini and Carlos Pascoal Neto	<i>CICECO and Department of Chemistry, Campus de Santiago, University of Aveiro, 3810-193 Aveiro, Portugal</i>
Novel Coated-Paper Materials Based on Chitosan and its Derivatives	T166	Susana C. M. Fernandes*, Carmen S. R. Freire, Armando J. D. Silvestre, Carlos Pascoal Neto, Alessandro Gandini	<i>Department of Chemistry and CICECO, Campus de Santiago, University of Aveiro, 3810-193 Aveiro, Portugal</i>
Nutrients Balance in Eucalypt Stands and Portuguese Forest Soils' S Productive Capacity	T108	António S. Fabres, Daniela Ferreira, Gabriel Dehon Rezende	<i>1RAIZ – Instituto de Investigação da Floresta e Papel, Quinta de S. Francisco, Apartado 15 3800 – 501 Eixo, Aveiro</i>
Office Paper Bulk Optimization in a Paper Machine Using Multivariate Techniques	T094	Gabriel D. A. Sousa*1, Cidália T. Abreu2, José L. Amaral1, Carlos Brás2	<i>1RAIZ, Research Institute of Forestry and Paper, Quinta de S. Francisco, Apart. 15, 3801-501 Eixo, Portugal</i> <i>2Portucel, Setúbal Paper Mill, Complexo Industrial de Setúbal, Apartado 55, 2901-861 Setúbal, Portugal</i>
Paper Surface Chemistry as a Tool to Improve Inkjet Printing Quality	T036	Isabel M. T. Moutinho1, Margarida L. Figueiredo2, Paulo J.T. Ferreira2	<i>1About The Future – Empresa Produtora de Papel S.A., Complexo Industrial de Setúbal, Mitrena, Apartado 55, 2901-861 Setúbal, Portugal</i> <i>2Chemical Engineering Department of Coimbra University, Polo II da Universidade de Coimbra, Rua Silvío Lima, 3030-290 Coimbra, Portugal</i>
Paper Waste Generation, a Way to its Reduction – Mill Case	T154	Alexandre M.R. Gaspar1*, Luis M.C. Machado1, Isabel M. Fernandes2, Helena C. Bastos2, Filipe P. Neves2, Nuno M. Lagartinho2	<i>1Raiz - Instituto de Investigação da Floresta e Papel, Quinta de S. Francisco, Apartado 15, 3801-501 Eixo, Portugal</i> <i>2PortucelSoporcel - Setúbal mill, Apartado 55, 2901-861 Setúbal, Portugal</i>
Performance of a Final Hydrogen Peroxide Stage in Different	T076	Pedro E. G. Loureiro*1, A. Sofia M. Santos1, Dmitry V. Evtuguin2, M. Graça	<i>1CIEPQPF, Department of Chemical Engineering, University of Coimbra, 3030-790 Coimbra, Portugal</i>



XXI TECNICELPA Conference and Exhibition/VI CIADICYP 2010
12-15 October 2010, FIL (Parque das Nações) – Lisbon, Portugal



ECF Bleaching Sequences		V. S. Carvalho1	2CICECO, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal
Pitch Detackification with Natural and Modified Talcs	T138	Antonio Tijero*, M. Concepción Monte, Julio Tijero and Ángeles Blanco	Chemical Engineering Department, Chemistry Faculty, Complutense University of Madrid, Avda. Complutense s/n 28040 Madrid, Spain. 1Chemical Engineering Department, Polytechnic University of São Paulo, São Paulo, 05508-900, Brazil. 2 Forest Biomaterials Science and Engineering, North Carolina State University, Raleigh, NC, USA. 3 Faculty of Chemistry & Materials Sciences, Dept. Forest Products Technology, Aalto University, Finland
Polyampholites as Paper Dry Strength Agents	T113	Deusanilde J. Silva1*, Song W. Park1, Martin A. Hubbe2, Orlando J. Rojas2,3	1Laboratory of Separation and Reaction Engineering (LSRE): a. Instituto Politécnico de Bragança, Campus de Santa Apolónia, Ap 1134, 5301-857 Bragança, Portugal; b. Faculdade de Engenharia da Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal 2Matériaux Polymères, École Française de Papeterie et des Industries Graphiques (EFPG-INPG), BP 65, 38402 St. Martin d'Hères, France 3Currently at School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA 30332
Polyurethanes as a Viable Route to Valorise Lignin	T117	Carolina A.B. Cateto1a,2,3, Maria F.F. Barreiro1a*, Alirio E. Rodrigues1b, M. Naceur Belgacem2	1Laboratory of Separation and Reaction Engineering (LSRE): a. Instituto Politécnico de Bragança, Campus de Santa Apolónia, Ap 1134, 5301-857 Bragança, Portugal; b. Faculdade de Engenharia da Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal 2Matériaux Polymères, École Française de Papeterie et des Industries Graphiques (EFPG-INPG), BP 65, 38402 St. Martin d'Hères, France 3Currently at School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA 30332
Portucel Soporcel Group New Paper Mill Project - The World Biggest and Most Sophisticated Single Line Paper Mill for UWF	T178	Ângelo Loureiro	PORTUCEL – Empresa Produtora de Pasta e Papel, S.A.
Pre-Treatments of Cellulose Fibres with some Chemicals for Effective Sizing	T045	Arif Karademir1*, Hulya Varlıbas1, Selim Karahan1 and Cem Aydemir2	1* Kahramanmaraş Sutcuimam University, Faculty of Forestry, Department of Forest Product Engineering, Bahcelievler Campus, 46100 Kahramanmaraş, Turkey 2Marmara University Faculty of Technical Education, Department of Printing, Goztepe Campus, 34722 Goztepe, Istanbul, Turkey
Properties of <i>Eucalyptus globulus</i> Fibers after Hot Water Extraction	T046	G. V. Duarte1*, B.V. Ramarao1*, T.E. Amidon1, P. T. Ferreira2	1Empire State Paper Research Institute, Department of Paper & Bioprocess Engineering, State University of New York College of Environmental Science and Forestry, 1 Forestry Drive - Syracuse, NY 13210 USA 2Chemical Engineering Department, University of Coimbra, Pólo II, R. Silvio Lima, 3030-790 Coimbra, PORTUGAL
Pulp Suspension Friction Analysis in the Beater Gap	T107	Jacques J. Silvy 1, Rogério M.S. Simões 2, Álvaro F.C. Vaz 3*	1Retired Full Professor, Universidade da Beira Interior, Covilhã, Portugal 2Associate Professor, Chemistry Department, Universidade da Beira Interior, Covilhã, Portugal 3Assistant Professor, Chemistry Department, Universidade da Beira Interior, Covilhã, Portugal
The Quantification of Cellulosic Methanol Obtained from Black Liquor of Kraft Pulping Processes	T168	Lívia Paula Silva Palmeiras Vasconcelos1*, Francides Gomes da Silva Júnior 2, Oscar Bahia Filho3	1Escola Superior De Agricultura "Luiz De Queiroz" (Esalq/Uspp) 2*Escola Superior De Agricultura "Luiz De Queiroz" (Esalq/Uspp)
Rapid Thermal Processing (RTP™) – A Proven Pathway to Second Generation Biofuels	T187	Kari Liukko	Honeywell Process Solutions, Metsänneidonkuja 12, FI-02321 Espoo, Finland
Recovery of a Polyphenolic Fraction from <i>Eucalyptus globulus</i> Bark for Industrial Applications	T066	Paula C. O. R. Pinto1,2, Gabriel D. A. Sousa1, José Luís Amaral1*, Armando J. D. Silvestre3, Carlos P. Neto3, Filipe Crispim4, António F. S. Prates5	1RAIZ, Research Institute of Forestry and Paper, Quinta de S. Francisco, Apart. 15, 3801-501 Eixo, Portugal 2On leave to LSRE/LCM, School of Engineering, University of Porto, 4200-465 Porto, Portugal 3CICECO, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal 4CTIC, Techn. Centre for the Leather Industries, Rua da Esteveira, Apart. 158, 2384-909 Alcanena, Portugal 5CAIMA, Indústria de Celulose, S.A. Constância Sul, 2250-058 Constância, Portugal
Refining of Radiata Pine and Eucalyptus Kraft Pulps Assisted with Commercial Laccase Mediator Systems	T054	Michael Lecourt1, Adrien Soranzo2, Romain Baldi3, Michel Petit-Conil4	1InTechFibres – FCBA, BP 254, 38044 Grenoble, France 2InTechFibres – FCBA, BP 254, 38044 Grenoble, France 3 Ahlstrom Innovation Services - ZI de l'Abbaye - Impasse Louis Champin - 38780 Pont-Eveque, France 4 InTechFibres – CTP, BP 254, 38044 Grenoble, France
Review of Fundamental Aspects of Adhesion Between Cellulosic Surfaces in Contact	T096	Ezequiel Delgado Fornué1*, Héctor J. Contreras Quiñones1, Guillermo Toriz González1	1Departamento de Madera, Celulosa y Papel "Ing. Karl Augustin Grellman", Universidad de Guadalajara, Guadalajara, Apdo. Postal 45-120, Zapopan, México



XXI TECNICELPA Conference and Exhibition/VI CIADICYP 2010
12-15 October 2010, FIL (Parque das Nações) – Lisbon, Portugal



Sizing Evaluation of Uncoated Fine Papers	T063	Pedro, Lopes ^{1*} , Carlos Preciso ² , António Mendes de Sousa ³ , Paulo Ferreira ²	<i>1 grupo PortucelSoporcel, Apartado 5 – 3081- 851 Figueira da Foz, Portugal</i> <i>2 Departamento de Engenharia Química, Universidade de Coimbra, Pólo II, R. Silvío Lima, 3030-290 Coimbra, Portugal</i> <i>3 grupo PortucelSoporcel, Apartado 15 – 3801- 501 Eixo, Portugal</i>
Structure and Properties Nano-Particles Used in Paper Compositions	T071	Michael Ioelovich ¹	<i>Disinger Energy Ltd, 76100, Rehovot, Israel</i>
Successful Philosophy to Maximize Efficiency and Environmental Performance Implementing Green Bleaching of Chemical Pulp	T083	Jean-Christophe Hostachy ¹ , Franz-Josef Richardt ² , Arnaldo Oliveira Araujo ³	<i>1Director – Key Account Pulp & Paper, ITT Water and Wastewater, Boschstrasse 4, D-32051 Herford, Germany</i> <i>2Senior Process Engineer–Key Account Pulp & Paper, ITT Water and Wastewater, Boschstrasse 4, D-32051, Herford, Germany</i> <i>3P&P Facilitator – Altec Europe, Air Liquide Ibéria, Rua Dr. António Loureiro Borges, 4, 2º, Arquiparque – Miraflôres, 1495-131 Algés, Portugal</i>
Superficial Sizing with Polyvyl Alcohol: Sized and Recicled Papers Characteristic	T085	Aracelia Hernández*, Elaine Capote, Alejandro Abril	<i>Unión de Investigación-Producción, UIP Cuba-9, Apdo. 8 Quivicán, La Habana, Cuba</i>
Surface Filling of Woodfree Paper With Ground Calcium Carbonate	T022	Uwe Gisella, Maximilian Laufmann*	<i>Omya International AG</i>
Technical and Economical Issues of the Biopulping Process	T109	André Ferraz*, Fernando Masarin, Gina G.S. Cunha and Paulo C. Pavan	<i>Departamento de Biotecnologia, Escola de Engenharia de Lorena, Universidade de São Paulo, CP 116, 12602-810 Lorena, SP</i>
The Fibre Properties Influence on a Three Dimensional Paper Model	T143	Joana M.R. Curto ^{1*} , Eduardo L.T. Conceição ² , António T. G. Portugal ³ , Rogério M.S. Simões ⁴	<i>1PhD Student and Teaching Assistant, University of Beira Interior, Textile and Paper Materials Research Unit, Rua Marquês d'Ávila e Bolâma n.º 54 – Covilhã, Portugal.</i> <i>2Auxiliary Professor, University of Coimbra, Chemical Engineering Dep., Pólo II, Rua Silvío Lima, Coimbra. Portugal.</i> <i>3Associate Professor, University of Coimbra, Chemical Engineering Dep., Pólo II, Rua Silvío Lima, Coimbra. Portugal</i> <i>4Associate Professor, University of Beira Interior, Textile and Paper Materials Research Unit, Rua Marquês d'Ávila e Bolâma n.º 54 – Covilhã, Portugal.</i>
The Influence of Lignin Removal on the Energy Balance of Future Pulp Mills	T164	Marcelo Hamaguchi, Esa K. Vakkilainen	<i>1Lappeenranta University of Technology, P.O. Box 20, FI-53581 Lappeenranta, Finland</i>
Towards Comprehensive Utilization of Side Products from Sulphite Pulp Production: A Biorefinary Approach	T072	Dmitry V. Evtuguin ^{1*} , Ana M.R.B. Xavier ¹ , Carlos M. Silva ¹ , António Prates ²	<i>1CICECO, Department of Chemistry, University of Aveiro, 3810-193 Aveiro, Portugal</i> <i>2CAIMA Indústria de Celulose S.A., Constância, Portugal</i>
Ultrasonic Treatment of Paper Webs – A New Volume Preserving Calendering Method	T179	Harald Grossmann ¹ , Matthias Wanske ²	<i>1Professorship of Paper Technology, Technische Universität Dresden, Germany</i> <i>2Professorship of Paper Technology, Technische Universität Dresden, Germany</i>
Using Biotechnology for Paper Functionalisation: Flax Fibers with Antimicrobial Properties	T116	Amanda Fillat ^{1*} , Oscar Gallardo ² , Teresa Vidall ¹ , F.I. Javier Pastor ² , Pilar Diaz ² , and M. Blanca Roncero ¹	<i>1Textile and Paper Engineering Department. ETSEIAT. Universitat Politècnica de Catalunya. Colom 11. E-08222 Terrassa, Spain.</i> <i>2Microbiology Department. Faculty of Biology. Universitat de Barcelona. Diagonal 645. E-08028 Barcelona. Spain</i>
Xylans Deposition onto Eucalyptus Pulp Fibers During Oxygen Delignification. Part 1: The Influence of NaOH Charge, Reaction Time and Temperature	T177	Marcelo C. dos S. Muguët ^{1,2*} , Jorge L. Colodette ¹ , Cristiane Pedrazzi ¹	<i>1Pulp and Paper Laboratory, Federal University of Viçosa, Minas Gerais, Brazil, zipcode 36570-000</i>