

**UNITED STATES 2012 CIGRE PARIS SESSION SELECTED SYNOPSIS**

A L M L E O N T T	G R O U P	P S	TITLE	AUTHORS	REPORT NUMBER
NCA	B1	PS2	Condition and remaining life of taped transmission cables through non-invasive and invasive testing based on in-service cables and cable samples removed from service	N. Singh, S.K. Singh, R. Reyes, T. Zhao, R. Ghafurian	
NCA	C4	PS1	Impact of frequency response wind plant controls on grid performance	N.W. Miller, M. Shao, K. Clark	
NCA	C3	PS2	Assessing the rising needs for on-going submarine cable electromagnetic field studies	J.K. Snyder, M.A. Slater, Y.F. Chao	
NCA	C5	PS2	A new coordination scheme for efficient dispatch of interconnected electricity markets	F. Zhao, T. Zheng, E. Litvinov, G. Van Welie	
NCA	A3	PS2	Practical circuit breaker condition monitoring with protective relays	B. Desai, Y. Lu, M. Westrich, E. Udren	
NCA	B5	PS1	In-Field synchrophasor system calibration, testing, and application validation using high-voltage optical sensors	E. Udren, F. Rahmatian, Y. Hu, D. Novosel	
NCA	C2	PS1	Robust optimization and its application to power system operation	T. Zheng, J. Zhao, E. Litvinov, G. Van Welie, F. Zhao	
NCA	B5	PS2	Development of secure standards based approach to automated retrieval of power system field data including subsequent analysis and response	P. Myrda, B. Desai, S. Sternfeld, Y. Lu, G. Rasche	

NCA	C6	PS1	Universal distribution automation management	Z. Jiang	
NCA	B5	PS2	Automated data retrieval, analysis and operational response using substation intelligent electronic devices	M. Kezunovic, B. Clowe, D. McCartney, B. Fardanesh, T. Popvic	
IA	A2	PS3	Effects of geomagnetically induced currents on power transformers and power systems	R. Girgis, K. Vedante, K. Gramm	
IA	B2	PS1	Prospective AC to DC conversion of two parallel 287 kV transmission lines in the Western US	M. Beshir, L.O. Barthold, D.A. Woodford	
IA	B2	PS1	Radial and longitudinal temperature gradients in bare stranded conductors with high current densities	D. Douglass, B. Clairmont, J. Iglesias, Z. Peter	
IA	B4	PS3	Tres amigas: a flexible gateway for renewable energy exchange between the three asynchronous AC networks in the USA	N.M. Kirby, N.M. MacLeod, D. Stidham, M. Reynolds	
IA	B5	PS1	Application considerations for protection and control functions available in multiple intelligent electronic devices	S.R. Chano, D. Miller, B. Kasztenny	
IA	C5	PS1	Economic assessment of energy storage systems for renewable integration	J. Zhu, H. Li, S. Wang, G. Brinkman	
AA	C3	PS2	The impact of improved transmission system efficiency and utilization on reducing electricity industry carbon footprint	A. Del Rosso, R. Lordan	
AA	A1	PS3	Trends in monitoring and diagnostics of wind generators	S. Salon, S. Salem, K. Sivasubramaniam	

AA	B2	PS2	Reliability of transmission towers under extreme wind and ice loading	J. Eidinger, L. Kempner JR.	
AA	C1	PS1	Treatment of renewable generation and generation retirement uncertainties in transmission planning as applied to the American electric power system	M. Ahmed, K. Ali, P.J. Palermo	
AA	C5	PS1	Integration of wind resources in the New York electricity market	R. Mukerji	
AA	C5	PS1	Integrating variable energy resources into the California electricity market	S. Venkataraman, M. Rothleder, U. Helman, T. Guo	
AA	C5	PS3	Impact of demand-side technology readiness on market designs	A.S. Chuang, C.W. Gellings	
AA	D2	PS1	New architecture for operational information systems	T. Gurela, J. Taft	
AA	B5	PS1	Integration of protection, control and metering functions	L.A. Kojovic	