

RELEVANCE OF ICING

L. Battisti

Dept. of Mechanical and Structural Engineering, University of Trento, Italy
lorenzo.battisti@ing.unitn.it

Summary

1.	ACKNOWLEDGEMENTS	1
2.	NOMENCLATURE.....	1
3.	INTRODUCTION.....	2
4.	ICING PARADIGM	4
5.	GENERAL ICING CHARACTERISTICS.....	7
6.	ICING PARAMETERS	7
7.	ICING DAY	8
8.	TYPE OF ICE	10
9.	PHYSICAL AND MECHANICAL CHARACTERS OF ICE.....	11
10.	OFFSHORE ICING	12
11.	STRATEGIES FOR WECS OPERATIONS IN COLD CLIMATES	13
12.	ICE GROWTH ON WIND TURBINE.....	15
13.	EFFECT ON AERODYNAMICS AND LOADS	17
14.	ICING EFFECT ON POWER PRODUCTION.....	20
15.	ECONOMIC RISKS	21
	REFERENCE MATERIAL	25

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2. NOMENCLATURE

a	annuity factor	O&M	operation and maintenance costs
d	water droplet diameter	p	air pressure
AEP	annual energy production	P	wind turbine power output
A_0A	angle of attach	c	price of energy (sell)
C_d	drag coefficient	c'	price of energy (buy)
C_l	lift coefficient	Q_{heating}	anti-icing thermal power requirement at external surface
C_m	aerodynamic moment coefficient	Q_{ICE}	anti-icing power requirement
I	total investment cost	r	rotor radius
IPS	ice prevention system	T	air temperature
LE	leading edge	t_{ICE}	number of icing days
LWC	liquid water content	V	wind speed
MVD	mean droplet diameter		