

May 25, 2006

Mr. Benjamin Cole

Regional Vice-Chair Chapter Technology Transfer, Region XII

RE: Submittal to the Dan Mills Technical Award

It is my pleasure to present to you the 2005-2006 Dan Mills Technical Awards submittal to the regional competition. I am very proud of the work done this year in the technical area. First, you will find a list of 10 technical presentations with more than three (3) hours of duration. The submittal includes electronic copies of support documentation related to these presentations. Second, I submit copy of support documentation related to a public hearing I attended and presented an oral and written expert testimony. Third, I provide copy of the technical award submitted to the regional. Additionally I have submitted for your consideration a Government Award and a Chapter Programs Awards, which are closely related to the CTT Scope of Work. Additional work done during this year, but not considered by the Dan Mills Awards, was the publication of articles in chapter newsletter and chapter website on Program Society Technology, Standards or Research Activities. Thank you for your time and opportunity for applying for this award.



Ricardo L. Esbri Amador

ASHRAE Puerto Rico Chapter President, and

ASHRAE Puerto Rico Chapter CTT Committee Chair

## **Chapter Technical /Outreach Activities done during Society year 2005-2006**

### **1. Each Technical Seminar (Minimum 3 hour) dealing with new or extended HVAC&R technology**

Here I present you a list of Technical Seminar (Minimum 3 hour) dealing with new or extended HVAC&R technology

2005-09-30, "INTRODUCCION AL BALANCEO DE SISTEMAS DE AIRE ACONDICIONADO",  
2006-01-20, "DUST COLLECTION"  
2006-03-28, "COMBINED HEAT AND POWER: AN ALTERNATIVE TO GRID DISTRIBUTION"  
2006-04-05, "ALMACENAMIENTO Y DISTRIBUCION DE AGUA PURIFICADA EN LA INDUSTRIA FARMACEUTICA"  
2006-04-19, "SUSTAINABILITY AND THE BUILDING ENVIRONMENT"  
2006-04-21 "INTRODUCTION TO ASHRAE 90.1"  
2006-04-28, "THE PRACTICAL APPLICATION OF OPEN PROTOCOL FOR BUILDING AUTOMATION SYSTEMS (BAS)"  
2006-05-04, "VARIABLE SPEED APPLICATION IN CHILLERS, PUMPS AND AIRHANDLING UNITS"  
2006-05-10 "COMMERCIAL DEHUMIDIFICATION"  
2006-06-07 (planned, it is a 6 hour technical session with 3 seminars with the same presenter), "SUSTAINABLE DESIGN AND LEED ACREDITATION FOR ENGINEERS", "INNOVATIVE AIRSIDE SYSTEM DESIGNED TO CONFORM TO ASHRAE 90.2 AND IMPROVE IAQ", AND "THEORY, APPLICATIONS AND DESIGN OF CONDENSER AND CHILLED WATER PRIMARY, SECONDARY, AND TERTIARY PUMPING SYSTEMS"

Folder 1 contains copy of the supporting documentation (Activities Invitations, Attendance, CEU Documents, Evaluation Summaries, Minutes, Newsletters, Pictures, and Scanned copy of Newspaper Announcements).

### **2. Each expert testimony or prepared statement to a legislative group**

A an oral statement, with written copy, was given to the Legislative Committee of the Professional Collage of Engineers and Land Surveyors (CIAPR acronym in Spanish) related to Permit Process. This committee provides reports of their finding to the Puerto Rico Legislator Branch in aspects related to Engineering. I concentrated my statement to the fact that in practical terms Puerto Rico does not have an Energy Code and the problems our Chapter members have during the submittal of documents related to the Energy Code during the permitting process.

Folder 2 contains copy of the supporting documentation.

### **3. Each submittal of Technology Award submitted to Regional Competition for judging**

One entry was submitted to Region May 15, 2005. Copy of the submittal is found in folder 3

**DAN MILLS TECHNICAL AWARD CRITERIA**

<b><u>POINTS</u></b>	<b><u>POINTS</u></b>	<b><u>TOTAL</u></b>
	Per Activity	Earned per
<b>Activity Chapter Technical /Outreach Activities</b>		
1. Each review of a Handbook Chapter for future revision (copies of comments to RVC and Handbook Editor)	50	
2. Each Technical Seminar (Minimum 3 hour) dealing with new or extended HVAC&R technology	50	
3. Each article published in an ASHRAE technical publication (except Insights)	50	
4. Each technical or symposium paper reviewed with comments submitted to RVC and Session Chair	50	
5. Each expert testimony or prepared statement to a legislative group	50	
6. Each submittal of Technology Award submitted to Regional Competition for judging	30	
7. Submittal of a Government Activities Award to Society Competition for judging	30	
8. Chapter Chair securing points in each CTT PAOE category	40	
9. Report of PAOE points in the appropriate manner prior to 12/30 (50 points), prior to 6/1 (50 points)	100	
Discretionary: Overall impression of the candidate	10	
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		<b>TOTAL POINTS</b>
<b>EARNED:</b>		