



SoFlacs



Vol. 29, No. 8

South Florida Section ACS

November 2019



Section Meeting

5:30 PM Wednesday November 20

at Ferguson Senior High School
15900 SW 56 Street, Miami



Dr. José Almiral

Demystifying Forensic Science: Applications of Chemistry, the Central Science

José R. Almiral is a Professor in the Department of Chemistry and Biochemistry at Florida International University and Director of the National Science Foundation-funded Center for Advanced Research in Forensic Science (CARFS). Dr. Almiral received a BS in Chemistry from FIU, an MS in Chemistry from the University of Miami and a PhD in Chemistry from the University of Strathclyde. He was a practicing forensic scientist at the Miami-Dade Police Department Crime Laboratory for 12 years where he testified in over 100 criminal cases in state and federal courts prior to his academic appointment at FIU in 1998. Professor Almiral has authored one book and ~ 145 peer-reviewed scientific publications in the field of analytical and forensic chemistry (h-index ~ 40). The interests of Prof. Almiral's research group include fundamental analytical chemistry and the development of analytical chemistry tools for use in forensic applications. Prof. Almiral was recognized this year as one of eight Hispanic scientists who is a national leader in his field by the National Science Foundation. He is also the Editor-in-Chief of *Forensic Chemistry*, an Elsevier journal.

2018 National Chemistry Week Poem Contest

"Marvelous Metals"

South Florida Section – ACS

Winners

JUST IS YUCKY
By Jamie Gussin
Ms. Padilla - 3rd Grade
Howard Drive Elementary

Can you believe that cars will rust?
When they die, repainting is a must.
'They get green and yucky!
It can be quite unlucky.
But when repainted, you'll eat my dust!

K-2nd Category

Jamie Gussin

Howard Drive Elementary

3rd -5th Category
Benjamin Holcomb
Howard Drive Elementary

IRON, IRON EVERYWHERE
RUSTS WHEN IT'S EXPOSED TO AIR.
IN EARTH'S CORE AND SATURN'S TOO
PEOPLE NEED IRON, YES ME AND YOU.
USED BY TONY STARK TO FLY
WHEN IN THE AIR HE GOES BYE BYE!

Mending and Building,
Wires wrap 'round
Electric flows at the speed of the sound

Roses of prosthetics
Hands and feet too
All are designed
To help people get through

Bending some joints
Using many sturdy metals

Helping the world
Using Marvelous Metals
By Harley McKeen

6th – 8th Category

Harley McKeen

Hollywood Academy of
Arts & Science

9th -12th Category
Camila Young
Our Lady of Lourdes Academy

TRANSPARENT QUALITY
BY CAMILA YOUNG

WHAT IS THE TRANSPARENT QUALITY OF TRANSPARENT QUALITY?
TOGETHER TO GROW AN ORGANISM THAT MAY BE A FLORIDA OR BIRD
TOGETHER TO GROW IT.
THE BIRD'S TRANSPARENT TO GROW WITH IT.
ACTS WILL COME UP WITH IT.
BUT THE RESPONSE WILL BE THE GREATEST
TO GROW THROUGH