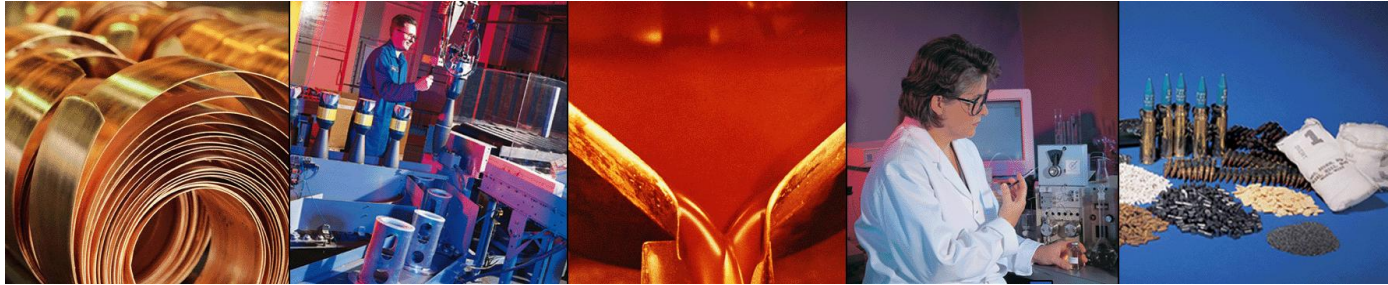


# GENERAL DYNAMICS

Ordnance and Tactical Systems



**SIMUNITION®**

**2011 Robert Trifiletti Award Winner  
Dr. Norbert D'Souza**

**August 31, 2011  
Brian Berger**

# Trifiletti Award Criterion

- ▶ **To recognize and honor an individual who has made a significant contribution benefiting the war-fighter, thus strengthening national defense.**
  
- ▶ **This contribution can be in the areas of the advancement of technology, systems, system integration or to someone who through his work provided unique leadership resulting in changes and progress in the community.**

# Dr. Norbert D'Souza Professional Experience

- ▶ **Ph D in Mechanical Engineering McGill University, Montreal, Quebec with specialization in high speed aerodynamics.**
- ▶ **29 years of Mechanical Engineering and 18 years of Business Development and Marketing Experience**
  - Senior Scientific Officer, Directorate of Tech. Developments, New Delhi
  - Program Manager and Senior Project Research, Space Research Corp.
    - ◆ Mechanical Design, Compression Design of solid propellants, wind tunnel testing of projectiles
  - Director of R&D at Canadian Arsenals Ltd
  - Director R&D, SNC Defense Products
  - Corporate Director of Technologies at SNC Industrial Technologies

# Dr. Norbert D'Souza Professional Experience

- ▶ **Corporate Director of Technologies, SNC Technologies Inc.**
  - Set up Strategic Alliances between Canadian, US and International Companies
  - Promoted partnerships with Dept of National Defence, Canada
  - Participated in NATO Industry Advisory Group Studies involving members from nine NATO countries.
  
- ▶ **Vice President Business Development, US Programs**
  - Worked on the development of the capability to produce the following products to the US TDP for production at GD-OTS Canada
    - ◆ 60mm and 81mm Mortar HE LAP
    - ◆ 120mm Mortar HE and FRPC LAP
    - ◆ 105mm PGU 43/B TP and PGU 44 /B HE
    - ◆ 105mm Illuminating M314A3
    - ◆ 105mm M67 Propelling Charges
    - ◆ 20mm M103 Cartridge Cases
    - ◆ .50 cal MK 263 Cartridges
    - ◆ M31A2 Propelling Charges

# Dr. Norbert D'Souza Professional Experience

## ► Publications

- Technical papers on aerodynamics at American Institute of Aeronautics and Astronautics Proceedings and Journals
- Technical papers on heat transfer at American Society of Mechanical Engineers
- Publications on flight dynamics of projectiles - International Ballistics Symposium
- Participated in the drafting of Technical Reports / Studies while working on the NATO Technical Committees

## ► Memberships

- National Defense Industrial Association, AUSA, American Institute of Aeronautics and Astronautics, American Society of Mechanical Engineers

# Summary – Dr. Norbert D’Souza

- ▶ **Dr. Norbert D’Souza has devoted 47 years to making significant contributions in the field of developing technologies for use by the American Soldier**
- ▶ **He starts each day thinking of ways to improve the equipment in the hands of our soldiers**
- ▶ **Even at the age of (70 ), following his retirement in December 2010, Norbert remains active, working closely with ARDEC, PM CAS and PM MAS on products that are fielded to soldiers in harms way.**
- ▶ **Dr. Norbert D’Souza’s life-long commitment to Large Caliber Ammunition Design and Development is evident and he will continue to contribute significant achievements during his retirement. Therefore, he is a deserving recipient of the 2011 Robert Trifiletti Award.**

# Letters of Commendation – Dr. Norbert D'Souza

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- ▶ Received many Letters of Commendation during his career. I have attached two letters received in support of Norbert's nomination for the 2011 Trifiletti Award:
  - Ms. Barbara J. Machak,
    - ◆ Executive Director, Enterprise and Systems Integration Ctr
  - Mr. William J. Sanville
    - ◆ Deputy Project Manager, Maneuver Ammunition Systems



DEPARTMENT OF THE ARMY  
ENTERPRISE & SYSTEMS INTEGRATION CENTER  
US ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND  
ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER  
PICATINNY ARSENAL, NEW JERSEY 07806-5000



11 January 2011

Project Integration Division

SUBJECT: 2011 Trifiletti Award by the NDIA Guns & Missiles Executive Committee

Sam Campagna  
National Defense Industrial Association  
2111 Wilson Blvd  
Suite 400  
Arlington, VA 22201

Dear Mr. Campagna:

This letter serves as an endorsement of the nomination of Dr. Norbert D'Souza by General Dynamics Ordnance and Tactical Systems for the 2011 NDIA Trifiletti Award.

Dr. D'Souza's contributions to technology development over his 47-year career in the area of large caliber ammunition design and manufacture has benefitted the warfighter and strengthened national defense.

During his tenure as the Vice President Business Development at SNC Technologies and then General Dynamics Ordnance and Tactical Systems-Canada, Dr. D'Souza's unique leadership was instrumental in establishing and directing collaborative R&D projects. He embodies the phrase "the customer is always right" and his calm, fair and professional demeanor was an asset in promoting teamwork, maintaining objective focus, performing due diligence, and building consensus in pursuing the best solution.

In summary, Dr. Norbert D'Souza is a deserving recipient of the 2011 NDIA Guns & Missiles Trifiletti Award.

Sincerely,

Barbara J. Machak  
Executive Director, ESIC





**DEPARTMENT OF THE ARMY**  
OFFICE OF THE PROJECT MANAGER  
MANEUVER AMMUNITION SYSTEM  
PICATINNY ARSENAL, NEW JERSEY 07806-5000

January 26, 2011

Award Committee: Robert Trifiletti Award

To Whom It May Concern:

Subject: Nomination for 2011 Robert Trifiletti Award

As the Deputy Project Manager for Maneuver Ammunition Systems, I would like to wholeheartedly express my support for the nomination of Dr. Norbert D'Souza for the 2011 Robert Trifiletti Award.

I have personally had the honor and privilege of working with Dr. D'Souza for over 20 years. I have worked with Dr D'Souza as a team leader in ARDEC, and have had the privilege to continue working with him as my career progressed through management positions and ultimately as either the PM or the DPM of Maneuver Ammunition Systems. Through this entire span, I can state that whether I was a team leader in charge of one artillery systems project, or a DPM running hundreds of projects in small, medium and large caliber ammunition, my interfacing with Dr D'Souza has never changed. He worked with me in the most professional, consistent and honorable way. Our significant communications over the years was always straight forward and candid (even on tough problems). I valued his technical knowledge and commitment when he gave his word that either he or his company would complete a task, as he always kept his word. I learned instantly that Dr. D'Souza is a man of integrity and vast knowledge; He is a man that first and foremost measured success of a project or item as to how the warfighter would benefit. There were even times over my career when I sought Norberts counsel and advice even on projects he was not even involved in; and he never hesitated to give me the benefit of his experience and advice.

I am extremely grateful that I was asked to write this letter of support. In my opinion, Dr. Norbert D'Souza is the best and most outstanding candidate who could be chosen to receive this award and I recommend him without hesitation. If I can be of any further assistance please contact me at 973-724-5309.

A handwritten signature in black ink, appearing to read "W. J. Sanville", is written over a horizontal line.

William J. Sanville  
Deputy Project Manager,  
Maneuver Ammunition Systems

# Dr. Norbert D'Souza

- ▶ Please join me in welcoming to the podium, the 2011 Robert Trifeletti Award Winner

**Dr. Norbert D'Souza**