

ORGANIZED BY



UNMANNED  
**RODEO**  
SYSTEMS  
4-5 MAY 2011

Abu Dhabi, 05-05-2011

Today at the CERT Technology Park in Abu Dhabi, the awards ceremony took place for the prizewinners of yesterday's inaugural Unmanned Systems Rodeo (USR). The awards ceremony took place at 11:00 am under the patronage of H.E. Sheikh Nahayan Mubarak Al Nahayan, Minister of Higher Education and Scientific Research, and Chancellor, Higher Colleges of Technology. Major General (Ret.) Khaled Abdullah Al Bu Ainnain, Former Commander, UAE Air Force and Air Defense, and President, INEGMA, Wes Bush, CEO, Northrop Grumman (Supporting Sponsor of the USR), Major General (Ret.) John Brooks, President, Northrop Grumman International, Dr. Tayeb Kamali, Vice Chancellor, Higher Colleges of Technology (HCT), Ali Al Yafei, CEO, Abu Dhabi Autonomous Systems Investment (ADASI), and Darryl Davidson, Association for Unmanned Vehicle Systems International (AUVSI) delivered the prizes and awards to the winning teams. The 1<sup>st</sup> placed team won an all expenses paid trip to the United States to participate in the AUVSI convention, and the runners up could look forward to an all expenses paid trip to Sweden to visit to manufacturing facilities of SAAB.

Keynote addresses were provided by Wes Bush, Dr. Tayeb Kamali, Major General (Ret.) Khaled Abdullah Al Bu Ainnain, Mr. Ali Al Yafei, and Major General (Ret.) John Brooks. In his opening words, Wes Bush, CEO and president of Northrop Grumman, told the audience that "Northrop Grumman is honored to sponsor this competition that fosters new types of innovation in the UAE." He added, "[T]he Rodeo provides an opportunity to transfer knowledge and technology to the younger generation, which is an important element of the strategic vision established by UAE leadership. I'm confident that the enthusiasm we saw at this year's Rodeo competition will inspire its expansion and will further encourage tomorrow's generation of Emirati scientists and engineers to develop similar ground-breaking technologies for the future."

Speaking next, Major General (Ret.) Khaled Abdullah Al Bu Ainnain remarked that "[T]echnology defines the modernity of nations nowadays," adding, "that is why the UAE leadership has been investing heavily in the transfer of technology with the objective of turning the country into a regional hub for technological industries." He articulated that the transfer of know-how "is not enough without the presence of the skilled and educated manpower that will manage and develop the technology and put it to good use. Aerospace technologies are important in the growing age of space that the UAE has entered and aspires to play a good role in it in the future." Commending the participating Emirati students for their efforts and application of scientific knowledge, he said he hoped these students were tomorrow's generation of Emirati

IN COLLABORATION WITH



PRESENTING SPONSOR

**NORTHROP GRUMMAN**

ASSOCIATE SPONSOR



ORGANIZED BY



scientists, navigators and engineers. Major General (Ret.) Khaled said he was “proud and pleased to see our young men and women take part in this competition and display such talent and creativity.”

Major General (Ret.) Khaled thanked H.E. Sheikh Nahayan Mubarak Al Nahayan, Minister of Higher Education and Scientific Research, and Chancellor, Higher Colleges of Technology for his vital support to the success of this groundbreaking science and technology outreach event. He also thanked the Higher Colleges of Technologies for hosting the USR and to ADASI for coming on board as co-sponsors. Acknowledging Mr. Wes Bush, CEO, Northrop Grumman, who was attending the USR, Major General (Ret.) Khaled praised Northrop Grumman for its unlimited support as lead sponsor for the USR and also for sending engineers to provide training and advice to Emirati students for the competition.

Mr. Ali Al Yafei, CEO, ADASI, opened his remarks by reiterating his support to the event, saying “ADASI is involved in supporting the UAE Governments’ activities across all three environments in autonomous technology. It is for this reason that we were delighted to join with the Higher College of Technology and Northrop Grumman Corporation to make this event a success.”

Praising the support of H.E. Sheikh Nahayan Mubarak Al Nahayan, Mr. Al Yafei said, “As one of the UAE’s most enthusiastic supporters of autonomous systems technology, ADASI is always looking for ways in which we can develop autonomous systems within the UAE, and transfer technology and capabilities in this field to companies such as ADASI. This event has made a significant contribution to advancing the art and science of autonomous systems technology here in the UAE, and you, as participants, stand on the threshold of a fascinating career in this most important field of endeavor.” He concluded by congratulating the participants, particularly the winners, and told them he “looks forward to seeing you as active contributors to the autonomous systems industry in the near future.”

Extending his appreciation to H.E. Sheikh Nahayan Mubarak Al Nahayan, for his patronage, support, to Dr Tayeb Kemali, Ali al Yafei, Riad Kahwaji, CEO, INEGMA, and Major General (Ret.) Khaled Al Bu Ainnain, Major General (Ret.) John Brooks offered “special thanks to Wes Bush, CEO of Northrop Grumman, who traveled 10,000 miles to help celebrate your accomplishments.” Praising the efforts of participating students,

Major General (Ret.) John Brooks remarked that the USR “is not just about prizes... It is about all of the students being adventurous and exploring new things. It is about all of the students

IN COLLABORATION WITH



PRESENTING SPONSOR

**NORTHROP GRUMMAN**

ASSOCIATE SPONSOR



ORGANIZED BY



demonstrating commitment and hard work. It is about excellence—and there is so much of it here today.”

Dr Tayeb Kamali, Vice Chancellor of HCT, said the Higher Colleges were very pleased with the close collaboration with Northrop Grumman, event organizer INEGMA and co-sponsor ADASI, which has resulted in the inaugural Unmanned Systems Rodeo. “We are sure that this contest will continue to grow and reflect the strong relationships between HCT, Northrop Grumman and our other partners in this venture,” Dr Kamali said. “It is an example of how the students, both male and female, are surrounded by technology and use hi-tech equipment in their projects and studies on a daily basis, enabling them to become familiar with the latest technologies and therefore highly skilled, sophisticated and work-ready graduates.” Dr. Kamali added that “[T]he HCT has a long tradition of providing the best possible educational and technology experiences for its students, and the Unmanned Systems Rodeo has been a perfect opportunity for HCT engineering and aeronautical students to learn new skills while being able to put into practice the knowledge they have obtained during their studies. “We thank Northrop Grumman for providing such wonderful prizes and support, as well as INEGMA and ADASI who have all helped to make this event such a success.”

Between May 1-2, a team of six judges drawn from HCT, Northrop Grumman, ADASI , and the AUVSI Foundation visited various campuses where competing teams delivered presentations of their UAVs and their efforts to create their respective machines. The presentations are designed to offer judges an insight into the technical aspects of the UAVs and the way students have applied their scientific knowledge in their efforts. Yesterday, the UAVs competed against one another in flight. The eleven competing teams came from four colleges: Al Ain Men’s Campus: Team Seven Stars and Team Spirit of Al Ain; Abu Dhabi Men’s College: Team Take Care, Team Legend, Team Falcon and Team Tornado; Abu Dhabi Women’s College: Team SIGMA-6 and Team AD-ians; Dubai Men’s College: Team Snow Birds, Team Special Commands and Team Robotics.

The Prizewinners were as follows:

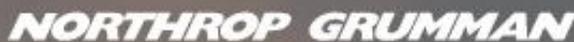
for 1st Place – Robotics Team - Dubai Men’s College: Mohammad Al Shamsi, Khalil Ibrahim, Salem Mohammad, Mohamed Jasem, Yaqoub Yousuf

for 2nd Place – Spirit of Al Ain - Al-Ain Men’s College: Mohammed Abdulla Nasser Saeed Nasser Al Maskari, Jasim Abdulla Salem Saeed Al Ameri, Salem Abdulnabi Ghulam Rasoul, Saqer Khalifa

IN COLLABORATION WITH



PRESENTING SPONSOR



ASSOCIATE SPONSOR



ORGANIZED BY



Ahmed Saeed Muhsen Al Houqani, Younes Mohammed Husain Ahmed Al Marzouqi, Yousef Jaber Mohammed Helal Al Kuwaiti

for 3rd Place – Seven Stars - Al-Ain Men’s College: Ahmed Mohammed Murad Hasan Murad Albaloushi, Ahmed Mubarak Mansour Mubarak Al Bu Saeed, Eisa Awad Mohammed Huwaiden Al Shamisi, Khalifa Abdulla Abdulkarim Al Rayes, Marwan Mohammed Saif Mohammed Al Nuaimi, Mohamed Saleh Ibrahim Ahmed Al Ali, Mohammed Matar Omair Mohammed Al Shamisi.

for Best Presentation – SIGMA-6 - Abu Dhabi Women’s College

for Fastest UAV – Seven Stars - Al-Ain Men’s College

for Best Endurance – Robotics Team - Dubai Men’s College

USR is going to be an annual event organized by INEGMA.

IN COLLABORATION WITH



PRESENTING SPONSOR

**NORTHROP GRUMMAN**

ASSOCIATE SPONSOR

