



# 香港資優教育學苑 The Hong Kong Academy for Gifted Education

Intermediate Workshop in Robotics (TECP2102)  
(Token-Required)

## ROBOTS! TO THE SEA








15 August – 16 August 2013

*Service Provider: Hong Kong Robotic Olympiad Association*

In the water, people are not as agile as they are on the land due to the body limitations. However, people make various kinds of water robots to accomplish tasks for them such as salvage, exploration and construction, etc. In this programme, you will learn and apply mechanics and machine theories to design a marine robot for a scavenger hunt. What will your robot find? Something valuable or valueless?



## Programme Details

<b>Date, Time and Venue</b> 	15 August – 16 August 2013 9:30 a.m. – 4:30 p.m. Room 305, The Hong Kong Academy for Gifted Education										
<b>Target Participants</b> 	<ul style="list-style-type: none"> <li>❖ 20 HKAGE student members</li> <li>❖ P5 to P6</li> </ul> *Priority will be given to students who are in P6 and have enrolled to “Introductory Workshop in Robotics: Robots! To the Land!” (TECP1101)										
<b>Medium of Instruction</b> 	Cantonese										
<b>Course Requirement</b> 	<b>Certificate</b> will be awarded to participants who are able to fulfill all the course requirements which include: <ul style="list-style-type: none"> <li>❖ Attending <b>ALL</b> sessions AND</li> <li>❖ Completing all the assignments with satisfactory performance</li> </ul>										
<b>Intended Learning Outcomes</b> 	Upon completion of the programme, participants should be able to: <ol style="list-style-type: none"> <li>1. explain Archimedes' principle and Newton's Third Law;</li> <li>2. illustrate the concept of density with Cartesian Diver and clay boat; and</li> <li>3. design a marine robot for a scavenger hunt.</li> </ol>										
<b>Course Fee</b>	Free of charge										
<b>Online Application Procedure &amp; Deadline</b> 	This is a <b>Token-required</b> programme. Please visit <a href="#">the HKAGE website</a> for details. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">2 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>● Deadline for submitting the <a href="#">Online Application Form</a>. Late application will not be considered.</li> <li>● Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.</li> </ul> </td> </tr> <tr> <td style="padding: 5px;">8 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>● Application result released on <a href="#">the HKAGE website</a>.</li> </ul> </td> </tr> <tr> <td style="padding: 5px;">15 Jul 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>● Deadline for submitting the “<b>Confirmation Slip</b>” via fax or email for successful applicants.</li> <li>● Applicants who are on the waiting list should notify the HKAGE via email if they decide to withdraw from the waiting list.</li> </ul> </td> </tr> <tr> <td style="padding: 5px;">22 Jul 2013 TO</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>● Successful applicants should log into the “Result Announcement” webpage to confirm their enrolment status.</li> </ul> </td> </tr> <tr> <td style="padding: 5px;">13 Aug 2013</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>● Applicants who are on the waiting list will be notified via email or phone if a place becomes available. Otherwise, no further notice will be given.</li> </ul> </td> </tr> </table>	2 Jul 2013	<ul style="list-style-type: none"> <li>● Deadline for submitting the <a href="#">Online Application Form</a>. Late application will not be considered.</li> <li>● Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.</li> </ul>	8 Jul 2013	<ul style="list-style-type: none"> <li>● Application result released on <a href="#">the HKAGE website</a>.</li> </ul>	15 Jul 2013	<ul style="list-style-type: none"> <li>● Deadline for submitting the “<b>Confirmation Slip</b>” via fax or email for successful applicants.</li> <li>● Applicants who are on the waiting list should notify the HKAGE via email if they decide to withdraw from the waiting list.</li> </ul>	22 Jul 2013 TO	<ul style="list-style-type: none"> <li>● Successful applicants should log into the “Result Announcement” webpage to confirm their enrolment status.</li> </ul>	13 Aug 2013	<ul style="list-style-type: none"> <li>● Applicants who are on the waiting list will be notified via email or phone if a place becomes available. Otherwise, no further notice will be given.</li> </ul>
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<b>Enquiry</b> 	For enquiries, please contact Ms. Kwok at 3940 0179 or Mr. Yuen at 3940 0178.										

## Programme Schedule

Session	Date	Time	Venue (the HKAGE)
1	15 Aug	9:30 am – 12:30 pm	<b>Room 305</b>
2		1:30 pm – 4:30 pm	
3	16 Aug	9:30 am – 12:30 pm	
4		1:30 pm – 4:30 pm	

\*The HKAGE: The Hong Kong Academy for Gifted Education, Sha Kok Estate, Shatin, Hong Kong ([map](#))