

<b>Company</b>	<b>Applied Materials Korea</b>
<b>Job Title</b>	<b>R&amp;D: Physicist &amp; Algorithm Developer</b>
<b>Detail Description</b>	<p><b>***신입도 지원가능 ***</b></p> <p><b>Email 지원: <a href="mailto:susan_yoon@amat.com">susan_yoon@amat.com</a></b></p> <p><b>포지션 1: Physicist for optics imaging R&amp;D</b></p> <p><b>Job Description</b>  Direct report to the PD Technology group in PDC with responsibility for the following:  1. Investigate &amp; Explore the performance envelope of PDC products @ the customer site  2. Transform conceptual solutions to detailed technology requirements/ specifications  3. Direct link between the R&amp;D to the field / customer for any Data / Solution transfer and dialogue  4. Understand the customer's needs and challenges and our tools' performance and gaps, be able to translate it into a problem statement and potential solution  5. Top technical escalation level to complex system underperformance related issues (matching, imaging, algorithm etc.)</p> <p><b>Requirements:</b>  Education: PhD /MSc. In physics or Electrical engineering  Experience: 5 years as system engineer of wafer Inspection / multi-disciplinary platforms or 3-5 years of hands on experience on SEMI optics inspection / Litho. tools</p> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>• Excellent analytical skills</li> <li>• Capable to lead experiments, from inception &amp; definition, through execution, till the final conclusions.</li> <li>• Hands-on capabilities</li> <li>• Good interpersonal relations, Good communication &amp; presentation skills</li> <li>• Can work in a dynamic and changing environment</li> <li>• Independent, can work in an open environment and efficiently manage his own work</li> <li>• Good English</li> <li>• Travel:</li> <li>• Need to come for 3 months training at PDC</li> <li>• Should come for frequent visits in PDC (2-3 times/year)</li> </ul> <p><b>포지션 2&amp;3:</b>  <b>Detection(ADR &amp; Inspection) Algorithm Developer : 0 명</b>  <b>CAD related Algorithm Developer : 0 명</b></p> <p><b>Job Description:</b>  Direct report to the PD Algorithm group in PDC with responsibility for the following:  1. Expert technical focal in front of the customer for SEMVision ADR and ADC, Product-share functions, Uvision KDBI, DBF and PWQ applications  2. Direct link between the Algo development teams inPDC to the field / customer for any</p>

Data / Solution transfer and dialogue

3. Understand the customer's needs and challenges and our tools' performance and gaps, be able to translate it into a problem statement and potential solution

4. Primary person to run experiments / Alpha / Beta in the relevant technology discipline

**Requirements:**

- Education: PhD in EE with strong knowledge of image & Signal processing
- Work experience: at least 3 years in semi-conductor industry
- Skills:
- Good analytical skills
- Good hands-on capabilities, need to actual run the tools and perform tests
- Good interpersonal relations, need to work with many and different interfaces
- Good communication & presentation skills
- Can work in a dynamic and changing environment
- Independent, can work in an open environment and efficiently manage his own work
- Good English
- Travel:
- Need to come for 3 months training at PDC
- Should come for frequent visits in PDC (2-3 times/year)

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**Location**

Hwaseong