



## MATTIAS EK

21<sup>st</sup> of December 1983

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### Summary

Steelmaking metallurgist with special focus on process modelling and control. Thorough theoretical understanding of thermodynamic and kinetic phenomena that forms the reaction mechanisms in metals processing.

Deep understanding of vision analysis of metallurgical processes based on optical and infrared camera images as well as development of prototype systems using LabView software and other.

Highly motivated and self-driven with a good ability to find innovative solutions to the problems at hand.

### Academic Exams

- |      |                                                                                       |
|------|---------------------------------------------------------------------------------------|
| 2012 | Ph.D. in Process Metallurgy<br>Royal Institute of Technology (KTH), Stockholm, Sweden |
| 2009 | M.Sc. in Process Metallurgy<br>Royal Institute of Technology (KTH), Stockholm, Sweden |

### Professional Experience

- |        |                                                                                                                                                                                                                                                                                                                  |
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| 2013 - | Metsol AB, Stockholm, Sweden. (please visit <a href="http://www.metsol.se">www.metsol.se</a> )<br>Metallurgist and Consultant. <ul style="list-style-type: none"><li>• Internal development projects of product LadleSafe and LadleSlag.</li><li>• Process analysis of EAF-operation (client projects)</li></ul> |
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### Publications

More than 5 publications in international journals and conference proceedings.

### References

References available upon request.

### Contact



Metsol AB, Stockholm, Sweden

[www.metsol.se](http://www.metsol.se)

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