Near IR Lasing Properties of Semiconductor Nanocrystals

A Thesis Presented To the National Institute of Laser Enhanced Science (NILES)

By

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(Laser Sciences and Interactions)

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Near IR Lasing Properties of Semiconductor Nanocrystals

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Approval Sheet

Title of thesis:

Near IR lasing properties of semiconductor nanocrystals

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Dedicated to

My parents,

My wife,

My sisters

And my sons

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Prerequisite Diploma courses

Diploma in Laser Systems

Code No.	Course Title	Hours
LS 101	Laser Physics	3
LS 102	Laser Systems, Safety & Application	3
LS 103	Instrumentation	3
LS 104	Optoelectronics	3
LS 105	Seminar/ or Research Project	2
LS 106	Optoelectronics Laboratory	3
LS 107	Computational Methods	1
Total of hours		18

Pre-master Courses

Pre-master in Laser Systems

Code No.	Course Title	Hours
LS 201	Advanced Laser Physics (2)	3
LS 202	Nonlinear Optics	2
LS 203	Quantum Electronics	2
LS 204	Spectroscopic Techniques	3
LS 205	Seminar/ or Experimental Project	2
LS 206	Laser Lab	3
Total Hours		15

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