



Ioannis Paradisanos

H.F.R.I. Research Fellow at IESL/FORTH

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Date of birth: 19/09/1984
Place of birth: Heraklion, Crete, Greece
Languages: Greek (native), English (C2)

EDUCATIONAL QUALIFICATIONS

- | | |
|---------|--|
| 03/2018 | University of Crete, Ph.D.
Department of Physics |
| 09/2014 | University of Crete, M.Sc. in Micro-Optoelectronics
Department of Physics |
| 07/2012 | University of Crete, B.Sc.
Department of Materials Science and Technology |

ACADEMIC EMPLOYMENT

- | | | |
|-------------------|--|---|
| 10/2022 – present | H.F.R.I. Research Fellow , Institute of Electronic Structure and Laser (IESL), Foundation for Research and Technology – Hellas (FORTH) |  |
| 10/2019 – 10/2022 | Senior Research Associate , National Institute of Applied Sciences (INSA), French National Centre for Scientific Research (CNRS), Quantum Optoelectronics Group
PI: Professor Xavier Marie |  |
| 04/2018 – 09/2019 | Research Associate, University of Cambridge
Department of Electrical Engineering,
PI: Professor Andrea C. Ferrari |  |

RESEARCH EXPERIENCE

Projects	Techniques
Light-matter interactions in 2D semiconductors	Photoluminescence spectroscopy & imaging
Exciton formation and relaxation	Raman spectroscopy
Spin-valley polarization phenomena	Time-resolved spectroscopy
Intervalley scattering effects	Differential reflectivity
Exciton-exciton interactions	Nonlinear spectroscopy
Stark and Zeeman effects	Magneto-optics
Interlayer coupling in 2D heterostructures	Fabrication techniques including assembly of
Lattice vibrations and phonons	2D heterostructures and field-effect devices
Near-field interactions	

TEACHING EXPERIENCE

1. Teaching assistant in the undergraduate course “*Electromagnetic Fields and Waves*” (University of Cambridge, Department of Electrical Engineering, Pembroke College, 2019)
2. Teaching assistant in the undergraduate course “*Physics Laboratory III - Optics*”, (University of Crete, Department of Physics, 2012-2017)

PUBLICATIONS

PREPRINTS

40. “*Valley Polarization-Electric Dipole Interference and Nonlinear Chiral Selection Rules in Monolayer WSe₂*”,
P. Herrmann, S. Klimmer, T. Weickhardt, A. Papavasileiou, K. Mosina, Z. Sofer,
I. Paradisanos, D. Kartashov and G. Soavi ([2023](#)) [arXiv:2310.16549](#)
39. “*Biaxial strain tuning of exciton energy and polarization in monolayer WS₂*”,
G. Kourmoulakis, A. Michail, **I. Paradisanos**, X. Marie, M.M. Glazov, B. Jorissen, L. Covaci, E. Stratakis, K. Papagelis, J. Parthenios and G. Kioseoglou ([2023](#)) [arXiv:2307.12663](#)
38. “*Monolayer WS₂ electro- and photo-luminescence enhancement by TFSI treatment*”,
A.R. Cadore, B.L.T. Rosa, **I. Paradisanos**, S. Mignuzzi, D. De Fazio, E.M. Alexeev, J.E. Muench, G. Kakavelakis, S.M. Shinde, D. Yoon, S. Tongay, K. Watanabe, T. Taniguchi, E. Lidorikis, I. Goykhman, G. Soavi and A. C. Ferrari ([2023](#)) [arXiv:2305.01791](#)
37. “*Wide field of view crystal orientation mapping of layered materials*”,
A. Orekhov, D. Jannis, N. Gauquelin, G. Guzzinati, A. Nalin Mehta, S. Psilodimitrakopoulos, L. Mouchliadis, P. K. Sahoo, **I. Paradisanos**, A.C. Ferrari, G. Kioseoglou, E. Stratakis and J. Verbeeck ([2021](#)) [arXiv:2011.01875v1](#)

PEER-REVIEWED JOURNAL ARTICLES

36. “Kapitza-resistance-like exciton dynamics in atomically flat MoSe_2 - WSe_2 lateral heterojunction”,

H. Lamsaadi, D. Beret, **I. Paradisanos**, P. Renucci, D. Lagarde, X. Marie, B. Urbaszek, Z. Gan, A. George, K. Watanabe, T. Taniguchi, A. Turchanin, L. Lombez, N. Combe, V. Paillard and J.-M. Poumirol

[*Nature Communications* 14, 5881 \(2023\)](#)

35. “Electrostatic modulation of excitonic fluid in GaN/AlGaN quantum wells by deposition of few-layered graphene and nickel/gold films”,

R. Aristegui, P. Lefebvre, C. Brimont, T. Guillet, M. Vladimirova, **I. Paradisanos**, C. Robert, X. Marie, B. Urbaszek, S. Chenot, Y. Cordier and B. Damilano

[*Phys. Rev. B*, 108, 125421 \(2023\)](#)

34. “Ultrafast Electronic Relaxation Dynamics of Atomically Thin MoS_2 Is Accelerated by Wrinkling”,

C. Xu, G. Zhou, E. M. Alexeev, A. R. Cadore, **I. Paradisanos**, A. K. Ott, G. Soavi, S. Tongay, G. Cerullo, A. C. Ferrari, O. V. Prezhdo, and Z.-H. Loh

[*ACS Nano* \(2023\)](#)

33. “Electron density control in tungsten diselenide monolayers via photochlorination”,

E. Katsipoulaki, G. Vailakis, I. Demeridou, D. Karfaridis, P. Patsalas, K. Watanabe, T. Taniguchi, **I. Paradisanos**, G. Kopidakis, G. Kioseoglou and E. Stratakis

[*2D Materials*, 10 045008 \(2023\)](#)

32. “Nonlinear All-Optical Coherent Generation and Read-Out of Valleys in Atomically Thin Semiconductors”,

P. Herrmann, S. Klimmer, T. Lettau, M. Monfared, I. Staude, **I. Paradisanos**, U. Peschel and G. Soavi

[*Small* 2301126 <https://doi.org/10.1002/smll.202301126> \(2023\)](#)

31. “Probing the optical near-field interaction of Mie nanoresonators with atomically thin semiconductors”,

A. Estrada-Real,* **I. Paradisanos**,* P. R. Wiecha,* J.-M. Poumirol,* A. Cuche, G. Agez, D. Lagarde, X. Marie, V. Larrey, J. Muller, G. Larrieu, V. Paillard and B. Urbaszek

[*Communications Physics* 6, 102 \(2023\)](#), * corresponding author

30. “Interface engineering of charge-transfer excitons in 2D lateral heterostructures”,

R. Rosati, **I. Paradisanos**, L. Huang, Z. Gan, A. George, K. Watanabe, T. Taniguchi, L. Lombez, P. Renucci, A. Turchanin, B. Urbaszek and E. Malic

[*Nature Communications* 14, 2438 \(2023\)](#)

29. “Excitons dance as light conducts”,

I. Paradisanos* and B. Urbaszek

[*Nature Physics* 19, 149–150 \(2023\)](#), *News & Views*, *corresponding author

28. “Graphene-Black Phosphorus Printed Photodetectors”,

S. Akhavan, A. Ruocco, G. Soavi, A. Taheri, S. Mignuzzi, S. Doukas, A. Cadore, Y. Samad, L. Lombardi, K. Dimos, **I. Paradisanos**, J. Muench, H. Watson, S. Hodge, L. Occhipinti, E. Lidorikis, I. Goykhman and A. C. Ferrari

[2D Materials, 10.1088/2053-1583/acc74c \(2023\)](https://doi.org/10.1088/2053-1583/acc74c)

27. “Exciton spectroscopy and diffusion in MoSe_2 - WSe_2 lateral heterostructures encapsulated in hexagonal boron nitride”,

D. Beret,* **I. Paradisanos**,* Z. Gan, E. Najadehaghani, A. George, T. Lehnert, J. Biskupek, S. Shree, A. Estrada-Real, D. Lagarde, J.-M. Poumirol, V. Paillard, K. Watanabe, T. Taniguchi, X. Marie, U. Kaiser, P. Renucci, L. Lombez, A. Turchanin and B. Urbaszek

[npj 2D Materials and Applications 6, 84 \(2022\)](https://doi.org/10.1088/2053-1583/acc74c) *joint first author

26. “Capacitively-coupled and inductively-coupled excitons in bilayer MoS_2 ”,

L. Sponfelder, N. Leisgang, S. Shree, **I. Paradisanos**, K. Watanabe, T. Taniguchi, C. Robert, D. Lagarde, A. Balocchi, X. Marie, I. C. Gerber, B. Urbaszek and R. J. Warburton,

[Phys. Rev. Lett. 129, 107401 \(2022\)](https://doi.org/10.1103/PhysRevLett.129.107401)

25. “One pot chemical vapor deposition of high optical quality large area monolayer Janus transition metal dichalcogenides”,

Z. Gan,* **I. Paradisanos**,* A. Estrada-Real, J. Picker, E. Najafidehaghani, F. Davies, C. Neumann, C. Robert, P. Wiecha, K. Watanabe, T. Taniguchi, X. Marie, A. V. Krashennnikov, B. Urbaszek, A. George and A. Turchanin,

[Advanced Materials https://doi.org/10.1002/adma.202205226 \(2022\)](https://doi.org/10.1002/adma.202205226) *joint first author

24. “Second harmonic generation control in twisted bilayers of transition metal dichalcogenides”,

I. Paradisanos,* A. M. Saiz Raven, T. Amand, C. Robert, P. Renucci, K. Watanabe, T. Taniguchi, I. C. Gerber, X. Marie and B. Urbaszek

[Phys. Rev. B, 105, 115420 \(2022\)](https://doi.org/10.1103/PhysRevB.105.115420) *corresponding author

23. “Electrically-tuneable non-equilibrium optical response of graphene”,

E. A. A. Pogna, A. Tomadin, O. Balci, G. Soavi, **I. Paradisanos**, M. Guizzardi, P. Pedrinazzi, S. Mignuzzi, K.-J. Tielrooij, M. Polini, A. C. Ferrari and G. Cerullo

[ACS Nano https://doi.org/10.1021/acsnano.1c04937 \(2022\)](https://doi.org/10.1021/acsnano.1c04937)

22. “Interlayer exciton mediated second harmonic generation in bilayer MoS_2 ”,

S. Shree, D. Lagarde, L. Lombez, C. Robert, A. Balocchi K. Watanabe, T. Taniguchi, X. Marie, I. C. Gerber, M.M. Glazov, L. E. Golub, B. Urbaszek and **I. Paradisanos***

[Nature Communications 12, 6894 \(2021\)](https://doi.org/10.1038/s41467-021-26894-2) *corresponding author

21. “Confinement of long-lived interlayer excitons in WS_2 / WSe_2 heterostructures”,

A. R.-P. Montblanch, D. M. Kara, **I. Paradisanos**, C. M. Purser, M. S. G. Feuer, E. M. Alexeev, L. Stefan, Y. Qin, M. Blei, G. Wang, A. R. Cadore, P. Latawiec, M. Lončar, S. Tongay, A. C. Ferrari and M. Atatüre

[Communications Physics, 4, 119 \(2021\)](https://doi.org/10.1038/s41467-021-26894-2)

20. “Low-loss integrated nanophotonic circuits with layered semiconductor materials”,

T. Liu,* **I. Paradisanos**,* J. He, A. R. Cadore, J. Liu, M. Churaev, R. N. Wang, A. S. Raja, C. Javerzac-Galy, P. Rölli, D. De Fazio, B. L. T. Rosa, S. Tongay, G. Soavi, A. C. Ferrari and T. J. Kippenberg

[Nano Letters, 21, 7, 2709 \(2021\)](https://doi.org/10.1038/s41467-021-26894-2), *joint first author

19. “Efficient phonon cascades in WSe_2 monolayers”,

I. Paradisanos,* G. Wang, E. M. Alexeev, A. R. Cadore, X. Marie, A. C. Ferrari,* M. M. Glazov* and Bernhard Urbaszek*

[Nature Communications, 12, 538 \(2021\)](#), *corresponding author,
work highlighted by the editors of *Nature Communications* in Condensed matter

18. “Controlling interlayer excitons in MoS₂ layers grown by chemical vapor deposition”,
I. Paradisanos, S. Shree, A. George, N. Leisgang, C. Robert, K. Watanabe, T. Taniguchi, R. J.
Warburton, A. Turchanin, X. Marie, I. C. Gerber and B. Urbaszek

[Nature Communications, 11, 2391 \(2020\)](#)

work highlighted by the editors of *Nature Communications* in Condensed matter

17. “Giant Stark splitting of an exciton in bilayer MoS₂”,
N. Leisgang,* S. Shree,* **I. Paradisanos**,* L. Sponfelder,* C. Robert, D. Lagarde, A. Balocchi,
K. Watanabe, T. Taniguchi, X. Marie, R. J. Warburton, I. C. Gerber and Bernhard Urbaszek

[Nature Nanotechnology, 15, 901 \(2020\)](#) *joint first author

16. “Guide to optical spectroscopy of layered semiconductors”,
S. Shree,* **I. Paradisanos**,* C. Robert, X. Marie and Bernhard Urbaszek*

[Nature Reviews Physics, 3, 39 \(2020\)](#), *corresponding author

15. “Prominent room temperature valley polarization in WS₂/graphene heterostructures
grown by chemical vapor deposition”,

I. Paradisanos, K. M. McCreary, D. Adinehloo, L. Mouchliadis, J. T. Robinson, H.-J. Chuang,
A. T. Hanbicki, V. Perebeinos, B. T. Jonker, E. Stratakis and G. Kioseoglou

[Appl. Phys. Lett., 116, 203102 \(2020\)](#)

14. “Weak Distance Dependence of Hot-Electron-Transfer Rates at the Interface between
Monolayer MoS₂ and Gold”,

C. Xu, H. W. Yong, J. He, R. Long, A. R. Cadore, **I. Paradisanos**, A. K. Ott, G. Soavi, S. Tongay,
G. Cerullo, A. C Ferrari, O. V. Prezhdo and Z.-H. Loh

[ACS Nano, 15, 1, 819 \(2020\)](#)

13. “Unveiling the optical emission channels of monolayer semiconductors coupled to silicon
nanoantennas”,

J.M. Poumirol, **I. Paradisanos**, S. Shree, G. Agez, X. Marie, C. Robert, N. Mallet, P. R. Wiecha,
G. Larrieu, V. Larrey, F. Fournel, K. Watanabe, T. Taniguchi, A. Cuche, V. Paillard and Bernhard
Urbaszek

[ACS Photonics, 7, 11, 3106 \(2020\)](#)

12. “Transform-Limited Photons From a Coherent Tin-Vacancy Spin in Diamond”,

M. E. Trusheim, B. Pingault, N. H. Wan, M. Gündoğan, L. De Santis, R. Debroux, D. Gangloff, C.
Purser, K. C. Chen, M. Walsh, J. J. Rose, J. N. Becker, B. Lienhard, E. Bersin, **I. Paradisanos**,
G. Wang, D. Lyzwa, A. R-P. Montblanch, G. Malladi, H. Bakhru, A. C. Ferrari, I. A. Walmsley, M.
Atatüre, and D. Englund

[Phys. Rev. Lett., 124, 023602 \(2020\)](#)

11. “Hot electrons modulation of third harmonic generation in graphene”,

G. Soavi, G. Wang, H. Rostami, A. Tomadin, O. Balci, **I. Paradisanos**, E.A.A. Pogna, G.
Cerullo, E. Lidorikis, M. Polini and A. C. Ferrari

[ACS Photonics, 6, 11, 2841 \(2019\)](#)

10. “Twist Angle mapping in layered WS₂ by Polarization-Resolved Second Harmonic
Generation”,

S. Psilodimitrakopoulos, L. Mouchliadis, **I. Paradisanos**, A. Lemonis, G. Kioseoglou and E. Stratakis

[Scientific Reports, 9, 14285 \(2019\)](#)

9. “Imaging the crystal orientation of 2D transition metal dichalcogenides using polarization resolved second-harmonic generation”,

G. M. Maragkakis, S. Psilodimitrakopoulos, L. Mouchliadis, **I. Paradisanos**, A. Lemonis, G. Kioseoglou and E. Stratakis

[Opto-electronic Advances, 2, 11 \(2019\)](#)

8. “Spatially Selective Charge Carrier Density Tuning in WS₂ Monolayers via Photochlorination”,

I. Demeridou, **I. Paradisanos**, N. Pliatsikas, Y. Liu, P. Patsalas, W. A. Goddard, G. Kioseoglou and Emmanuel Stratakis

[2D Materials, 6, 1 \(2018\)](#)

7. “Ultrahigh-resolution non-linear optical imaging of armchair orientation in 2D transition metal dichalcogenides”,

S. Psilodimitrakopoulos, L. Mouchliadis, **I. Paradisanos**, A. Lemonis, G. Kioseoglou and E. Stratakis

[Light: Science & Applications, 7, 18005 \(2018\)](#)

6. “Extending the continuous operating lifetime of perovskite solar cells with a molybdenum disulfide hole extraction interlayer”,

G. Kakavelakis, **I. Paradisanos**, B. Paci, A. Generosi, M. Papachatzakis, T. Maksudov, A. E. Del Rio Castillo, L. Najafi, G. N. Kioseoglou, E. Stratakis, F. Bonaccorso and E. Kymakis

[Advanced Energy Materials, 8, 12, 1702287 \(2018\)](#)

5. “Efficient and Highly Air Stable Planar Inverted Perovskite Solar Cells with Reduced Graphene Oxide doped PCBM Electron Transporting Layer”,

G. Kakavelakis, T. Maksudov, D. Konios, **I. Paradisanos**, G. Kioseoglou, E. Stratakis, E. Kymakis

[Advanced Energy Materials, 7 \(7\), 1602120 \(2017\)](#)

4. “Room temperature observation of biexcitons in exfoliated WS₂ monolayers”,

I. Paradisanos, S. Germanis, N. T. Pelekanos, C. Fotakis, E. Kymakis, G. Kioseoglou and E. Stratakis

[Appl. Phys. Lett., 110, 193102 \(2017\)](#)

3. “Spatial Non-Uniformity in Exfoliated WS₂ Single Layers”,

I. Paradisanos, N. Pliatsikas, P. Patsalas, C. Fotakis, E. Kymakis, G. Kioseoglou and E. Stratakis

[Nanoscale, 8, 16197-16203 \(2016\) \(Front Cover\)](#)

2. “Gradient induced liquid motion on laser structured black Si surfaces”,

I. Paradisanos, C. Fotakis, S.H. Anastasiadis and E. Stratakis

[Appl. Phys. Lett., 107, 111603 \(2015\)](#)

1. “Intense femtosecond photoexcitation of bulk and monolayer MoS₂”,

I. Paradisanos, E. Kymakis, C. Fotakis, G. Kioseoglou and E. Stratakis,

[Appl. Phys. Lett., 105, 041108 \(2014\)](#)

ORAL, INVITED TALKS & SEMINARS

23. Oral presentation: “*Second harmonic generation spectroscopy in van der Waals materials*”, NanoBio 2023, Heraklion, Greece, September 11-15 (2023)
22. Oral presentation: “*Second harmonic generation spectroscopy in van der Waals homo- and heterobilayers*”, APS March meeting, Las Vegas, US, March 05-10 (2023)
21. Invited Seminar: “*Exciton optics in atomically thin semiconductors*”, Institute of Electronic Structure & Laser (IESL), Foundation for Research & Technology-Hellas (FORTH), Heraklion, Greece, February 22nd (2023)
20. Oral talk: “*Efficient phonon cascades in an atomically thin semiconductor*”, XXXVI Pan-Hellenic conference on Solid-State Physics and Materials Science, Heraklion, Greece, 26-28 September (2022)
19. Invited talk: “*Hot Photoluminescence and Raman processes in symmetric and asymmetric monolayer semiconductors*”, RamanFest22, Paris, France, September 15-16 (2022)
18. Keynote talk: “*Optical spectroscopy of atomically thin semiconductors*”, DokDok conference in Optics and Photonics, Arnstadt, Germany, August 29 – September 02 (2022)
17. Invited Seminar: “*Engineering light-matter interaction in atomically thin semiconductors*”, Physics department, University of Crete, February 24th (2022)
16. Oral presentation: “*Engineering quantum states in atomically-thin semiconductors*”, Stavros Niarchos ARCHERS final conference, December 06-08 (2021)
15. Invited Seminar: “*Excitonic effects in layered materials*”, Summer school in Erasmus Strategic Partnership Project Critical Skills for electronic Engineers, ATHENA European University, July 12th (2021)
14. Invited Seminar: “*Atomically-thin materials for optics*”, INSA-CNRS, Toulouse, France, March 25th (2021)
13. Oral presentation: “*Controlling interlayer excitons in MoS₂ layers grown by CVD*”, APS March meeting, March 15-19 (2021)
12. Invited Seminar: “*Light-matter interactions in atomically thin semiconductors*”, Hellenic Mediterranean University, Heraklion, Greece, February 26th (2021)
11. Invited Seminar: “*Linear spectroscopy in transition metal dichalcogenide semiconductors*”, University of Jena, Jena, Germany, November 13th (2020)
10. Oral presentation: “*Controlling interlayer excitons in MoS₂ layers grown by chemical vapor deposition*”, International conference on Nonlinear Optics and Excitation Kinetics in Semiconductors (NOEKS 15), Münster, Germany, September 13-17 (2020)
9. Invited Seminar: “*Strong light-matter interaction in layered transition metal dichalcogenide structures*”, J. Herovsky Institute of Physical Chemistry, Prague, Czech, February 5th (2020)

8. Oral presentation: “*Interlayer quantum-confined photon emission in transition metal dichalcogenide heterobilayers*”, Graphene Week 2019, Helsinki, Finland, September 23-27 (2019)
7. Oral presentation: “*Spin-Valley polarization in WS₂ heterostructures*”, Graphene Week 2017, Athens, Greece, September 25-29 (2017)
6. Oral presentation: “*Spatial non-uniformity and Photochemical Doping in Exfoliated WS₂ monolayers*”, DPG Spring Meeting 2017, Mainz, Germany, March 05-10 (2017)
5. Invited speaker: “*Spatial Non-Uniformity in Exfoliated WS₂ Single Layers*”, Light Conference, ICOME-T 2016, Tainan, Taiwan (2016)
4. Oral presentation: “*Spatial Non-Uniformity in Exfoliated WS₂ Single Layers*”, Graphene 2016, Genova, Italy (2016)
3. Oral presentation: “*Ultrafast Laser Interaction with Transition Metal Dichalcogenides*”, Light Conference, ICOME-T 2015, Tainan, Taiwan (2015)
2. Oral Presentation: “*Intense femtosecond photoexcitation of bulk and monolayer MoS₂*”, Joint meeting “Nanotechnology and BioNanoscience”, Weizmann Institute of Science, Rehovot, Israel, October 20-23, (2014)
1. Oral presentation: “*Intense femtosecond photoexcitation of bulk and monolayer MoS₂*”, 30th Panhellenic Solid State Physics and Materials Science Conference, Heraklion, Greece, September 21-24, (2014)

SUPERVISION

Co-supervisor, Ms. Ana Estrada Real, PhD candidate in Near-field interactions of 2D semiconductors on dielectric nanoantennas, INSA-CNRS, France, 2022

Co-supervised, Mr. Andres Saiz, MasterII Internship in Optical Spectroscopy of novel 2D semiconductors, INSA-CNRS, France, 2021

Co-supervised, Dr. Shivangi Shree, PhD in optical spectroscopy of monolayer and multilayer semiconductors, INSA-CNRS, France, 2020

Co-supervised, Mr. Nathaniel Tye, EPSRC, Centre for Doctoral Training, Photoluminescence from Transverse Excitons in 2d Perovskites, University of Cambridge, UK, 2019

PEER REVIEW

Nature Physics, Nature Nanotechnology, Nature Communications, Physical Review Letters, Physical Review B, ACS Nano, Advanced Materials, 2D Materials, Journal of Physics D, Nanotechnology, Nanoscale, Journal of Physical Chemistry, ACS Applied Electronic Materials

PROFESSIONAL MEMBERSHIP

- American Physical Society (APS)
- American Chemical Society (ACS)

GRANTS

- EA.IΔ.E.K. 2022, 3rd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers, 120K euros
“*Tailoring optical properties of 2D monolayers and their heterostructures with dielectric nanoresonators*” (2DARE)
score **98.2%** ranked **1st** out of 131 proposals

EDITOR

- Guest editor in Nanomaterials (IF 5.719), in special issue ["Recent Advances in Optical Spectroscopy of Layered Materials"](#)

HONORS AND AWARDS

September 2017	State Scholarships Foundation (I.K.Y. ΕΠΙ ΑΝΑΔΕΔΒΜ/ΕΣΠΙΑ 2014-2020) - Ph.D. Fellowship, September 2017
July 2017	Stavros Niarchos Foundation – FORTH Ph.D. Fellowship (ARCHERS project)
March 2017	PhD Grant award: International conference “DPG Spring Meeting 2017”, Mainz, Germany
April 2016	PhD Grant award: International conference “Graphene 2016”, Genova, Italy
October 2014	Oral & Poster presentation 1st place award: “Intense femtosecond photoexcitation of bulk and monolayer MoS ₂ ”, Joint meeting “Nanotechnology and BioNanoscience”, Weizmann Institute of Science, Rehovot, Israel

PATENTS

- *Measuring crystal quality in low dimensional TMD materials*,
Stratakis Emmanuel, Psilodimitrakopoulos Sotiris, Lemonis Andreas, Kioseoglou George, Mouchliadis Leonidas, **Paradisanos Ioannis**

Applicant: FORTH

Patent No: PCT/GR2018/000014

Filing Date: 2018

Valid In: Hellenic Industrial Property Organization