

2019

Curriculum Vitae and List of Publications  
Dr. Adi Salomon

A. Curriculum Vitae

1. Personal Data

Identity Number: 32157570  
Place of Birth: Petach-Tiqwa, Israel  
Date of Birth: 06/02/1975  
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2. Education, Certificates and Degrees, Post-Doctorate

From-To	Institute	Area of Specialty	Degree
2010-2013	ENS-Cachan & physical chemistry department, Weizmann Institute of Science	SHG, near field optics and Plasmonics	post-doctoral fellow
2007-2009	Institut de Science et d'Ingénierie Supramoléculaires, strasbourg, France	Plasmonics, ultra-fast dynamics, nano-fabrication, molecular plasmonics	post-doctoral fellow
2002-2007	Materials and interfaces, Weizmann Institute of Science	Electron transport processes through molecules, monolayers, surface chemistry	PhD with honors
1999-2001	Materials and interfaces Weizmann Institute of Science	Controlling metal/semiconductor interfaces with organic molecules	MSc with honors
1996-1999	Chemistry, Tel-Aviv university	Physical Chemistry and mathematics	BSc, Summa cum Laude

Doctoral thesis: *A different view of charge transfer through alkyl chains monolayers*

Advisor: Prof. David Cahen

Post – Doctorate host: Prof. Thomas Ebbesen, Strasbourg, France

### 3. Positions Held:

From-To	Institute	Research Area	Title
Oct 2013	Bar-Ilan University	Light matter interaction at the nanoscale, Energy transfer processes between molecules and metallic surfaces, Nanoporous metallic networks, Plasmonic hybridization, SHG from metallic nanostructures, Surface spectroscopic characterization	Senior Lecturer

### 4. Awards and Fellowships

Year	Award
2018	Krill prize for excellent young scientists (Wolf Foundation)
2017	Chosen as one of the 50 most influential women in Israel Lady globes
2010	Clore fellowship for excellent post-docs
2008	Sara Lee Schupf Awards for women in science
2008	Chateaubriand fellowship for excellent post-docs
2007	Rothschild fellowship for excellent post-docs
2007	Recognition from the parliament of Israel for scientific achievements
2007	John F. Kennedy prize for excellent PhD
2007	Schmitt prize for PhD thesis
2006, 2004	Feinberg Grad. School Dean's list of excellence
2005, 2003	IVS – Best Lecture award for PhD students
2004-2007	Clore fellowship for PhD students

## 5. Other Scientific Activities

From-To	Type of Activity
12/2012	Organizing an international workshop on Plasmonics, Lopatie Hall, Weizmann institute.
3/2017	Organizing an internal conference (BINA nanocenter).
3/2017	Organizing an international conference (quantum effects in biological systems) in Jerusalem.
2018	Invited scientist for one month, at the chemistry department, Paris Descartes.
9/2018	Chairing a session in nanofabrication and nanophotonics at the 2018 IVS conference.

## 6. Lectures at International Scientific Conferences

Conference	Place and Date	Title
1. Nano - Israel	Jerusalem, 2018 <b>(Invited)</b>	Deep confinement of light onto a flat metallic surface
2. <i>Workshop on Surface Micro-Spectroscopy and Spectro-Microscopy (IUVSTA)</i>	Rehovot, 2018 (contributed)	<i>Hot-Spots on smooth metallic surfaces and their characterization by SHG and CL</i>
3. Monabiphot Summer School	Anglet, France, 2018 <b>(Invited)</b>	<ul style="list-style-type: none"> <li>• Optical properties of metals at the nanoscale</li> <li>• Interaction of Surface Plasmons with molecules</li> <li>• Nanoporous metallic networks: fabrication, optical properties and applications</li> </ul>
4. Electronic materials: from solar cells to proteins	Weizmann institute, May, 2018 <b>(invited)</b>	Nanoporous Metallic Networks: A New Class of Materials
5. ImagingNano -2018	Bilbao, Spain, 13-15/3/2018 <b>(Invited)</b>	Nanoporous Metallic Networks: A New Class of Materials
6. Israeli Chemical Society – 2018	Tel- Aviv, 2018 <b>(plenary lecture)</b>	Nanoporous metallic networks: Fabrication, optical properties and applications
7. Light meets matter	Weizmann institute, Jan, 2018 <b>(invited)</b>	SHG from metallic nanostructures
8. Material Research Society 2017	Boston, 2017 <b>(Invited)</b>	Interaction between C-dots and Plasmons – Towards Hybrid Materials
9. The 7 <sup>th</sup> International Conference on Nanoscience and	Beijing, China, 2017 <b>(invited)</b>	Hot-Spots on smooth metallic surfaces and their characterization by SHG and CL

Technology		
10. Summer school	Anglet, France, 2017 <b>(Invited)</b>	<ul style="list-style-type: none"> <li>Optical properties of metallic nanostructures.</li> <li>Plasmonic for Color Generators</li> <li>Nanoporous Metallic Networks</li> </ul>
11. NanoScience and Nanotechnology at Interfaces (NaNaint)	Jerusalem, Israel, 2017 <b>(Invited)</b>	Nanoporous Metallic Networks
12. UK-Israel International Workshop on Emerging Applications of Optical Nanostructures	Tel Aviv, 2017 <b>(Invited)</b>	3D metallic networks – A new class of Materials
13. ImagNano meeting	Paris, 2016 <b>(Invited)</b>	3D Metallic Networks- Linear and Nonlinear optical properties
14. IMEC	Ramat-Gan, 2016 <b>(Invited)</b>	Characterization of surfaces by SHG
15. Institute for Nanoscience and Technology	Beijing, 2016 <b>(Invited)</b>	3D Metallic Networks
16. The institute of photonic science, ICFO	Barcelona, 2016 <b>(Invited)</b>	3D Metallic Networks
17. NanoPT	Braga, Portugal, 2016 (plenary)	Strong coupling in plasmonic systems and their interaction with molecules
18. Israel Chemical Society	Tel Aviv, 2016 <b>(Invited)</b>	3D Metallic Networks – Nano-Netals
19. Middle east conference( Malta 7)	Rabat, Morocco, 2015 <b>(Invited)</b>	Chemistry with Plasmons
20. The 6 <sup>th</sup> International Conference on Nanoscience and Technology	Beijing, 2015 <b>(invited)</b>	“Can Photochemistry be enhanced on Metallic Nano structures”?
21. The 7 <sup>th</sup> International Conference on Surface Plasmons Photonics	Jerusalem, 2015 (contributed)	Hybrid Plasmonic Systems
22. The 6 <sup>th</sup> South African Conference on Photonic Materials	Mabula, Africa <b>(invited)</b>	Hybrid Plasmonic Systems and their interaction with molecules
23. Materials Research Society	San Francisco, 2014 (contributed)	Coupling in Plasmonic Systems
24. Collaborative Conference on Materials Research	Seoul, 2014 <b>(Invited)</b>	Coupling in Plasmonic systems and their Interaction with Molecules

**Teaching:** \*Thermodynamics, \*semiconductors, lab-courses in \*physical chemistry and in \*instrumental chemistry.

**Patents:**

- Adi Salomon and Racheli Ron. Nanoporous *metal-based film supported on aerogel substrate and methods for the preparation thereof* (2016) PCT/IL2016/050915
- Adi Salomon, Elad Segal and Adam Weissman *Micron-Size plasmonic color sorter* (2017) PCT/IL2017/050756