Conflict of interest form for council

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Conflicts of interest (COI) arise where there is a divergence between an individual's responsibilities to COPE Council and their other interests, such that an individual's motives might be compromised, or perceived to be compromised. COIs are important since Council members' opinions and actions must be, and be seen to be, impartial. COI of all council members are collected on election and annually thereafter.

COI include, but are not limited to, the following. Council members are required to disclose any of the following:

All relevant **financial relationships** with commercial interests (entities producing, marketing, re-selling, or distributing goods or services) in any amount as well as the nature of the relationship (personal or immediate family) within the past 5 years, eg;
Grant/research support: US Doe 100%
Consultancies: None
Membership of speakers' bureaux: None
Patent ownership: Please see separate sheet
Membership of scientific advisory board: Technion Israel, National Taiwan University, UT Dallas, Colorado School of Mines
Membership of board of directors: ACS PRF fund
Stock shareholding (directly purchased): Apple, IBM, Walmart, Caterpillar, Johnson & Johnson, Merc
Other financial support (eg, honoraria, travel grants, gift, royalties) (please specify): None

Any **non-financial relationships/affiliations** relevant to COPE (please specify): No

Patent Details

Patent ownership	Patent no.	Title
1	9,543,537	Solution processed metal oxide thin film hole transport layers for high performance organic solar cells
2	9,409,111	Porous block nanofiber composite filters
3	9,324,992	Hybrid radical energy storage device and method of making
4	9,175,397	Multilayer heterostructures and their manufacture
5	9,142,408	Liquid precursor for deposition of indium selenide and method of preparing the same
6	9,130,084	Liquid precursor for deposition of copper selenide and method of preparing the same
7	9,105,797	Liquid precursor inks for deposition of In--Se, Ga--Se and In--Ga--Se
8	8,940,444	Hybrid radical energy storage device and method of making
9	8,876,971	Precursors for formation of copper selenide, indium selenide, copper indium diselenide, and/or copper indium gallium diselenide films
10	8,759,144	Fabrication of contacts for silicon solar cells including printing burn through layers
11	8,641,931	Metal inks
12	8,536,049	Method for forming metal contacts
13	8,329,502	Conformal coating of highly structured surfaces
14	8,075,792	Nanoparticle-based etching of silicon surfaces
15	8,057,850	Formation of copper-indium-selenide and/or copper-indium-gallium-selenide films from indium selenide and copper selenide precursors
16	8,021,641	Methods of making copper selenium precursor compositions with a targeted copper selenide content and precursor compositions and thin films resulting therefrom
17	7,754,352	Amorphous semiconducting and conducting transparent metal oxide thin films and production thereof
18	7,109,818	Tunable circuit for tunable capacitor devices
19	6,830,778	Direct printing of thin-film conductors using metal-chelate inks
20	6,436,305	Passivating etchants for metallic particles
21	6,126,740	Solution synthesis of mixed-metal chalcogenide nanoparticles and spray deposition of precursor films
22	5,785,837	Preparation of transparent conductors ferroelectric memory materials and ferrites
23	5,711,803	Preparation of a semiconductor thin film
24	5,462,647	Preparation of lead-zirconium-titanium film and powder by electrodeposition
25	5,440,238	Surface property detection apparatus and method
26	5,358,928	High temperature superconductor step-edge Josephson junctions using Ti-Ca-Ba-Cu-O

27	5,356,516	Process for etching mixed metal oxides
28	5,262,395	Superconducting active impedance converter
29	5,132,248	Direct write with microelectronic circuit fabrication
30	4,841,778	Optical fiber sensor technique for strain measurement
31	4,829,020	Substrate solder barriers for semiconductor epilayer growth
32	4,641,037	Organic metal neutron detector
33	4,550,014	Method for production of free-standing polycrystalline boron phosphide film
34	4,438,183	Photoelectrochemical cell having photoanode with thin boron phosphide coating as a corrosion resistant layer

Application in process

	Pub App No.	Title
1	20170102192	SOLAR THERMOELECTRICITY VIA ADVANCED LATENT HEAT STORAGE
2	20160293858	OPTOELECTRIC DEVICES FABRICATED WITH DEFECT TOLERANT SEMICONDUCTORS
3	20140377648	HYBRID RADICAL ENERGY STORAGE DEVICE AND METHOD OF MAKING
6	20140134781	Solution Processed Metal Oxide Thin Film Hole Transport Layers For High Performance Organic Solar Cells
7	20140087512	LIQUID PRECURSOR FOR DEPOSITION OF COPPER SELENIDE AND METHOD OF PREPARING THE SAME
8	20140020744	USING AMORPHOUS ZINC-TIN OXIDE ALLOYS IN THE EMITTER STRUCTURE OF CIGS PV DEVICES
9	20130323878	LIQUID PRECURSOR INKS FOR DEPOSITION OF IN-SE, GA-SE AND IN-GA-SE
10	20130178011	DOPANT COMPOSITIONS AND THE METHOD OF MAKING TO FORM DOPED REGIONS IN SEMICONDUCTOR MATERIALS
11	20130011957	METAL INKS

Further information
Charity Commission
http://www.charitycommission.gov.uk/charity_requirements_guidance/charity_governance/good_governance/conflicts.aspx

While COIs will be reviewed annually, they must also be specifically declared at the beginning of each Council or Forum meeting or before participation in any complaints processes. COIs are posted on COPE's website.