

Conflict of interest form for council

Name: David Ginley
Date: 23 March 2016

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:

DOE funding as primary source

- Consultancies: None

- Membership of speakers' bureaux: None

- Patent ownership: over 30 patents

2	<u>9,175,397</u>	<u>T</u>	<u>Multilayer heterostructures and their manufacture</u>
2	<u>9,142,408</u>	<u>T</u>	<u>Liquid precursor for deposition of indium selenide and method of preparing the same</u>
3	<u>9,130,084</u>	<u>T</u>	<u>Liquid precursor for deposition of copper selenide and method of preparing the same</u>
4	<u>9,105,797</u>	<u>T</u>	<u>Liquid precursor inks for deposition of In--Se, Ga--Se and In--Ga--Se</u>
5	<u>8,940,444</u>	<u>T</u>	<u>Hybrid radical energy storage device and method of making</u>
6	<u>8,876,971</u>	<u>T</u>	<u>Precursors for formation of copper selenide, indium selenide, copper indium diselenide, and/or copper indium gallium diselenide films</u>

7	8,759,144	T	Fabrication of contacts for silicon solar cells including printing burn through layers
8	8,641,931	T	Metal inks
9	8,536,049	T	Method for forming metal contacts
10	8,329,502	T	Conformal coating of highly structured surfaces
11	8,075,792	T	Nanoparticle-based etching of silicon surfaces
12	8,057,850	T	Formation of copper-indium-selenide and/or copper-indium-gallium-selenide films from indium selenide and copper selenide precursors
13	8,021,641	T	Methods of making copper selenium precursor compositions with a targeted copper selenide content and precursor compositions and thin films resulting therefrom
14	7,754,352	T	Amorphous semiconducting and conducting transparent metal oxide thin films and production thereof
15	7,109,818	T	Tunable circuit for tunable capacitor devices
16	6,830,778	T	Direct printing of thin-film conductors using metal-chelate inks
17	6,436,305	T	Passivating etchants for metallic particles
18	6,126,740	T	Solution synthesis of mixed-metal chalcogenide nanoparticles and spray deposition of precursor films
19	5,785,837	T	Preparation of transparent conductors ferroelectric memory materials and ferrites
20	5,711,803	T	Preparation of a semiconductor thin film
21	5,462,647	T	Preparation of lead-zirconium-titanium film and powder by electrodeposition
22	5,440,238	T	Surface property detection apparatus and method
23	5,358,928	T	High temperature superconductor step-edge Josephson junctions using Ti-Ca-Ba-Cu-O
24	5,356,516	T	Process for etching mixed metal oxides
25	5,262,395	T	Superconducting active impedance converter
26	5,132,248	T	Direct write with microelectronic circuit fabrication
27	4,841,778	T	Optical fiber sensor technique for strain measurement
28	4,829,020	T	Substrate solder barriers for semiconductor epilayer growth
29	4,641,037	T	Organic metal neutron detector
30	4,550,014	T	Method for production of free-standing polycrystalline boron phosphide film
31	4,438,183	T	Photoelectrochemical cell having photoanode with thin boron phosphide coating as a corrosion resistant layer
<ul style="list-style-type: none"> Membership of scientific advisory board: National Taiwan University, SLAC, Technion Israel, Los Alamos National Laboratories, Colorado School of Mines 			
<ul style="list-style-type: none"> Membership of board of directors: Currently Board of the ASC PRF fund, past Materials Research Society and National Ski Patrol 			
<ul style="list-style-type: none"> Stock shareholding (directly purchased): Apple, IBM, Johnson and Johnson, caterpillar, walmart, dow, titan 			
<ul style="list-style-type: none"> Other financial support (eg, honoraria, travel grants, gift, royalties) (please specify): Small speaking grants 10-15 per year 			

Royalties Handbook of Superconducting Materials IOP

Handbook of Transparent Conductors Springer

Materials for Energy and Sustainability textbook, Cambridge Univ

Any **non-financial relationships/affiliations** relevant to COPE (please specify):

none

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.