

FY17 Subcommittee Reports

Moderator: Elsie Quaite-Randall
LBNL Chief Technology Transfer
Officer and TTWG Chair

FY17 Subcommittees

- CRADA – Anne Miller
- Marketing – Hemant Bhimnathwala
- Royalty – Eric Payne
- Training – Diane Hart
- Metrics – Wendy Skinner

Anne Miller

ALTERNATE CRADA CLAUSES SUBCOMMITTEE

TTWG Fall Meeting – Nov. 16-17,
2017

TTWG
Technology Transfer
Working Group

CRADA: Objective

- Collect alternate CRADA provisions used by DOE Laboratories, beyond those identified in DOE CRADA Order DOE O 483.1B
- To include:
 - language adopted by DOE Labs in their CRADA template, to the extent it differs from the template and options in the DOE CRADA Order;
 - provisions used in templates designed by the Labs for particular situations;
 - or any other language used to address common issues.

CRADA: Key Outputs

- 27 individual alternate CRADA provisions:
Address waiver of statute of limitations, consistency with DOE Cooperative Agreement provisions, projects with foreign government funded research institutions, multi-project CRADAs, cross-licensing, subcontractor Subject Inventions, option to laboratory Subject Inventions, joint bioenergy projects, dispute resolution, jointly funded property, loaned property, advance payment options, disclaimer, and modified copyright language.
- 3 templates:
 - Short Form CRADA for SBIR/STTR
 - International Basic Science CRADA
 - CRADA terms for cyber vulnerability assessments

CRADA: Next Steps

- Provisions and templates collected to date have been submitted to Clara Asmail who will coordinate DOE review
- Outcomes of the review communicated back to TTWG membership.

Hemant Bhimnathwala

MARKETING SUBCOMMITTEE

TTWG Fall Meeting – Nov. 16-17,
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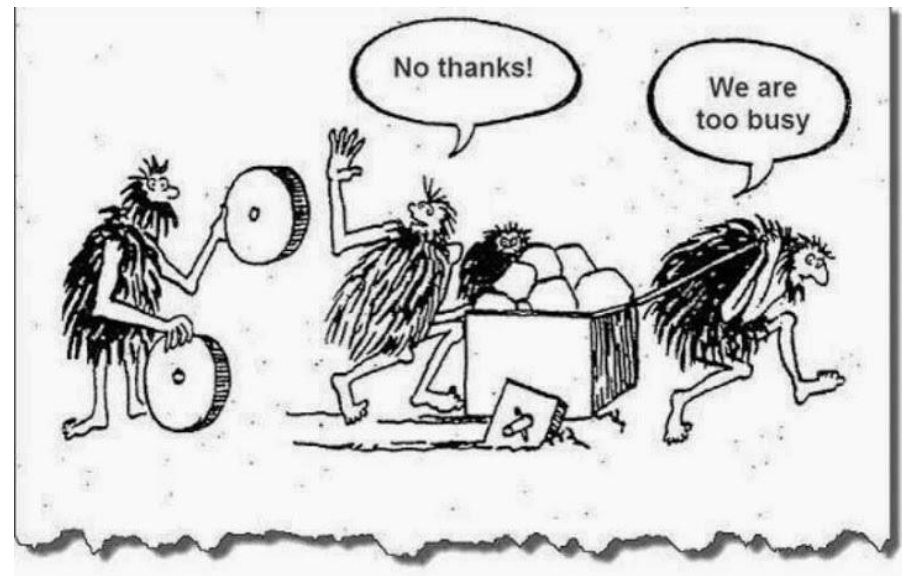
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Marketing: Objective

INTENT: What resources do DOE labs need for improving technology transfer? What can tech transfer offices do better?

NEEDS: Very broad scope

- Focused on Marketing and Sales efforts
- Quantify the need – addressed in this iteration
- Specific solutions – partially addressed, suggestions
- Not addressed – contracts, DOE approval process, other ideas



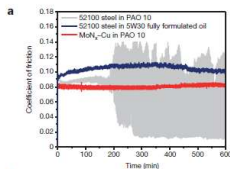
Marketing Impact

Case Study – Catalytically Active nanocomposite coatings

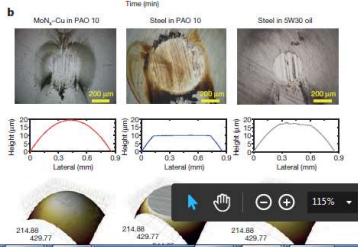


- (19) **United States**
- (12) **Patent Application Publication** (10) **Pub. No.: US 2013/0085088 A1**
Erdemir et al. (43) **Pub. Date: Apr. 4, 2013**
- (54) **METHOD TO PRODUCE CATALYTICALLY ACTIVE NANOCOMPOSITE COATINGS** *B01J 27/24* (2006.01)
B01J 21/02 (2006.01)
B05D 3/10 (2006.01)
B01J 27/22 (2006.01)
- (76) Inventors: **Ali Erdemir**, Naperville, IL (US);
Osman Levent Eryilmaz, Plainfield, IL (US); **Mustafa Urgen**, Istanbul (TR);
Kursat Kazmanli, Istanbul (TR) (52) **U.S. Cl.**
USPC **508/105**; 427/333; 502/177; 502/200;
502/207
- (21) Appl. No.: **13/250,760** (57) **ABSTRACT**

RESEARCH LETTER



Nature – Aug 2016



AUTOMOTIVE ENGINEERING

March 2017 21

**HARD, SLICK AND
READY TO ROLL**

SAE – March 2017



TTWG Fall Meeting – Nov. 16-17,
2017

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Marketing: Key Output

Was resource challenged, did not reach out

Draft white paper

**Draft white paper
(Ask was a white paper)**

- Seeks to answer – how much?
- Industry comparables: Why resources are needed? Why harder for DOE labs?
- Example case study
- A large shift

Survey goals (top 4)

- Hosting individual company visits
- DOE programs (SBV, TCF, etc.)
- Engaging with PIs and their networks
- PI training
- Conferences

Marketing: Next Steps

Short term - Seeking partners in crime

- Better white paper (a good writer!)
- Brainstorming (perhaps offsite, late December is good)

Intermediate term - Prepare a business plan (what if the resources were granted?)

- Organization
- Inventory of activities
- Prioritization and scoping
- Use of funds
- Metrics
- This effort would require resources (OTT?)

***If you are interested
in participating on
sub-committee we
are taking names!***

Market the plan:

- Marketing resources!
- You don't get if you don't ask!

Eric Payne with Eugene Cochran and Catherine Koh

ROYALTY RATES DATABASE SUBCOMMITTEE

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2017

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Royalty: Objective

... to assess resources available to the national laboratory technology transfer offices to determine royalty rates in patent and software (copyright) license agreements.

Royalty: Lab Survey Results

- 5 of 14 labs responding had previously utilized AUTM's TransACT database to benchmark royalty rates and rated TransACT highly: 8.4 / 10
- 2 respondents utilized Tech Transfer Central with a slightly higher rating: 8.5 / 10.
- 7 respondents rated LES Deal Term Survey moderately high: 7.1 / 10 .

Only 2 of 14 labs reported using consultants but rated their services highly. The primary constraint around use of consultants was the cost of the engagement.

Royalty: Lab Survey Results

- Only 4 of 14 labs contribute their deal data to existing databases.
- 12 of 14 labs expressed a willingness and interest in contributing their data to a database in exchange for free or discounted access to the database.

Royalty: Next Steps

- Some interest in establishing an FY18 committee to continue the effort of assessing various resources toward securing lab-wide access.
- Find a way to search national laboratory licensing terms

Diane Hart and Cherri Schmidt

TRAINING RESOURCES SUBCOMMITTEE

TTWG Fall Meeting – Nov. 16-17,
2017

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Training: Objective

Develop a Training Strategy

- **INTENT:** Upgrading and standardizing skills of all technology transfer professionals at DOE Labs – beginner, intermediate and expert in different practice areas (CRADA, Licensing, SPP, etc.)
- **NEEDS:** To capture and share institutional knowledge for our diverse and constantly changing workforce
 - DOE specific where applicable
 - Accessible / Affordable
 - Multiple Modules relevant to broad tech transfer community
 - Licensing
 - Sponsored Research
 - Contracts
 - Legal; Patent and IP Attorney



Training: Key Output

Identified an initial plan

- Brainstorm existing resources and curriculum modules available
 - Resources available on TTWG Sharepoint
- Discussed a variety of potential programs
 - Mentor or navigator program
 - Train the trainer within the TTWG community
 - Enable tech transfer professionals to provide guidance and train PIs
 - Legal professionals led training
 - Continue webinars
- Survey goals
 - Identify additional current resources (ones to use and ones to avoid)
 - Identify gaps and resources needed

Training: Next Steps

- Appoint new sub-committee chair and/or co-chair
- Gather training materials to build an inventory of existing resources
 - Post on TTWG SharePoint site
- Develop and distribute survey:
 - Who do we need to train? (*Diverse community of practitioners*)
 - What are current resources? (*Identify effective pre-existing materials*)
 - Training success stories
- Develop roadmap – what we have and where the gaps are in both self-service resources and curriculum for training modules
- Based on survey results; prioritize training modules and delivery methods
- Identify resources needed to develop training (financial, consultant, etc..)

If you are interested in participating on sub-committee we are taking names!

Wendy Skinner

METRICS SUBCOMMITTEE

TTWG Fall Meeting – Nov. 16-17,
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Metrics: Objective

Charter: “...coordinate the annual DOE Technology Transfer Data Call and other tasks in support of DOE reporting requirements”

Intent: “Collect meaningful data from the DOE Lab/Sites”



Demonstrate the value of the technology transfer mission

- 1 – Sustain support for technology transfer
- 2 – Aide DOE in making S&T investment decisions

Metrics: Output

- Formed sub-committee composed of all labs/sites that respond to the annual data call
- Have held 3 teleconferences
- Have drafted a revised definition for “Commercialized Technologies”
- Each lab/site has been requested to identify which elements in the annual data call they find “problematic”

Metrics: Next Steps

- Have initial listing of “problematic elements”
- Sub-committee meeting 1st Wed of the month (2nd Wed in Jan & July)

End goal: Sub-committee will work through the “problem” elements, based on priority, one at a time and propose definition changes to TTWG Leadership for review and potential submittal to DOE-OTT for inclusion in FY-18 data call

Proposed Definition for Commercialized Technologies

Commercialized Technologies is the total number of patent and software successes that are associated with a commercial license used by a non-U.S. government entity. The license can be income and non-income bearing. Trial, option and demo agreements are excluded. In the count, include each instance that a U.S. Patent and/or separate technology record (copyright/software) is tied to an active commercial license. Any type of U.S. patent should be counted. Foreign and EPC patents are excluded and PCT records should only be counted if the license is active before the U.S. Patent is filed. The patent and software successes should be reported each year the license is active. Software without an expiration date should be reported for 10 years.

Top Problem Elements– based on initial review

- | | |
|--|---|
| 1. Commercialized Technologies | 1. Secondary category describing technical area |
| 2. Economic Contribution from Licensed Technologies | 2. Science Education Activities Performed |
| 3. Partner Name | 3. Literature Review and Summary |
| 4. Taxonomy Parallel Categorization | 4. Other Secondary Taxonomy |
| 5. DOE Taxonomy | 5. FY DOE \$ Contribution |
| 6. FY Partner \$ In Kind | 6. Partner Organization |
| 7. Average Number of Days from Written Request to License Execution | 7. Multiple Partners on Same Agreement |
| 8. Total Number of Unique Small Businesses Collaborating w/ the Labs | 8. U.S. Patent Applications Filed |
| | 9. Startup Companies |