

External Oral Presentations

(Presenting authors are denoted with an *. Cal Poly undergraduates are underlined.)

Completed at California Polytechnic State University – Contributed Talks

- 44) Meyersohn, M. S.*, Gosting, S. E., Colt, T. A., Rhoads, R. H., Barcus, K. S., Markmann, M. R., Costanzo, P. J. “C Manipulation of molecular topology and composition using Diels-Alder chemistry.” American Chemical Society: New Orleans, LA. 20 MAR 2018. ***Meyersohn received the award for Outstanding Undergraduate Presentation in the POLY division of ACS.***
- 43) Wilborn, E. G.*, Gregory, C. M., Page, T. M., Costanzo, P. J. “Controlling polymer solubility with Diels-Alder chemistry and LCST.” American Chemical Society: New Orleans, LA. 20 MAR 2018.
- 42) Amato, D. U., Strange, G. A., Swanson, J. P., Chavez, A. D., Varney, K. L., Amato, D. V., Costanzo, P. J.* “Synthesis and evaluation of thermally-responsive coatings based upon Diels-Alder chemistry and renewable materials.” American Chemical Society: San Francisco, CA. 5 APR 2017
- 41) Gregory, C. M.*, Wilborn, E. G., Costanzo, P. J. “Thermally responsive materials with dynamic topology based upon Diels-Alder chemistry.” American Chemical Society: San Francisco, CA. 3 APR 2017
- 40) Sarantes, C. A.*, Eckhart, K. E., DeHoe, C., Souza, L., Ventura, A. M., Varni, A. J., Costanzo, P. J. “Utilization of a cysteine core for the preparation of novel mikto-arm star polymer.” American Chemical Society: San Francisco, CA. 3 APR 2017
- 39) Colt, T. A.*, Barcus, K. S., Crenshaw, E. D., Rhoads, R. D., Costanzo, P. J. “Incorporation of Diels-Alder chemistry into polymer matrices via an inimer approach.” American Chemical Society: San Francisco, CA. 3 APR 2017
- 38) Eckhart, K. E.*, Ventura, A. M., Varni, A. J., DeHoe, C., Costanzo, P. J. “Employment of cysteine and thiazolidine chemistry for novel polymer coupling and architectures.” American Chemical Society: San Diego, CA. 15 MAR 2016.
- 37) Liu, C. H.*, Mitchell, H. T., Noxon, I. C., Immoos, C. E., Martinez, N., Martinez, A. W., Costanzo, P. J. “Characterization of Reagent Pencils for Solvent-Free Deposition onto Microfluidic Paper-Based Analytical Devices.” American Chemical Society: San Diego, CA. 15 MAR 2016.
- 36) Alameda, B. M.*, Feist, S., Heintzman, H. M., Costanzo, P. J. “Synthetic design of block copolymer amphiphilics for nanomaterial dispersion.” American Chemical Society: San Diego, CA. 15 MAR 2016.
- 35) Johnson, R. G.*, Wilborn, E. G., Barcus, K. S., Crenshaw, E. D., Costanzo, P. J. “Thermally responsive materials with dynamic topology based upon Diels-Alder chemistry.” American Chemical Society: San Diego, CA. 15 MAR 2016.
- 34) Martinez, M. R.*, Markmann, M. R., Schoch, T. D., Costanzo, P. J. “Use of Diels-Alder chemistry to prepare molecular weight changing materials.” American Chemical Society: San Diego, CA. 15 MAR 2016. ***Martinez received the award for Outstanding Undergraduate Presentation in the POLY division of ACS.***
- 33) Noxon, I. C.*, Costanzo, P. J., Martinez, A. W. “Characterization of reagent pencils for solvent-free depositions of reagents onto paper-based diagnostic devices.” CSU Research Competition :San Bernardino, CA. 2 MAY 2015.
- 32) Liu, C. H.*, Costanzo, P. J., Martinez, A. W. “Characterization of reagent pencils for solvent-free depositions of reagents onto paper-based diagnostic devices.” CSU Research Competition :San Bernardino, CA. 2 MAY 2015.

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Completed at California Polytechnic State University continued...

- 31) Monteleone, L. R.*, Cruz, M. A.*, Costanzo, P. J. "Controlling Surface Energy and Wettability with a Light Responsive Linker System." CSU Research Competition :San Bernardino, CA. 2 MAY 2015.
- 30) Swanson, J. P.*, Monteleone, L. R., Haso, F. Lui, T., Costanzo, P. J., Joy. A. "Synthesis and characterization of thermoresponsive, biodegradable polyesters." American Chemical Society: Denver, CO. 26 MAR 2015
- 29) Markmann, M. R.*, Martinez, M. R., Crenshaw, E. D., Kleine, T. S., Costanzo, P. J. "Dynamic topology of thermally-responsive materials via Diels-Alder chemistry." American Chemical Society: Denver, CO. 24 MAR 2015
- 28) Amato, D. U., Strange, G. A., Swanson, J. P., Varney, K. L., Amato, D. V., Costanzo, P. J.* "Synthesis and evaluation of thermally-responsive coatings based upon Diels-Alder chemistry and renewable materials." American Chemical Society: Denver, CO. 22 MAR 2015
- 27) De Hoe, G. X.*, Costanzo, P. J. "Synthetic design of block copolymer amphiphiles for nanomaterial dispersion." CSU Research Competition: Hayward, California. 3 MAY 2014. ***De Hoe received 1st place in the Physical and Mathematical Sciences (PMS) division.***
- 26) Kleine, T. S.*, London, A. E., Markmann, M. R., Costanzo, P. J. : "Dynamic topology of thermally-responsive materials via Diels-Alder chemistry" American Chemical Society: Dallas, TX. 16 MAR 2014
- 25) Varni, A. J.*, Venture, A. M., Amato, D. V., Costanzo, P. J. "Incorporation of cysteine functional groups for novel polymer coupling based upon thiazolidine chemistry" American Chemical Society: Dallas, TX. 16 MAR 2014
- 24) De Hoe, G. X.*, Formal, T. P., O'Bryan, G., Costanzo, P. J. "Synthetic design of block copolymer amphiphiles for nanomaterial dispersion." American Chemical Society: Dallas, TX. 16 MAR 2014. ***De Hoe received the award for Outstanding Undergraduate Presentation in the POLY division of ACS.***
- 23) Varney, K. L.*, Amato, D. U., Costanzo, P. J. "Re-healable Coatings Based Upon Thermally Responsive Linkages." Western Coating Symposium: Las Vegas, NV. 22 OCT 2013.
- 22) Pattillo, C. P.*, Costanzo, P. J. "Controlling Surface Energy and Wettability with a Light Responsive Linker System." CSU Research Competition: Pomona, CA. 9 MAY 2013. ***Pattillo received 1st place in the Physical and Mathematical Sciences (PMS) division.***
- 21) Ningrum, D. U.*, Costanzo, P. J. "Re-healable Coatings Based Upon Thermally Responsive Linkages." CSU Research Competition: Pomona, CA. 9 MAY 2013. ***Ningrum received 2nd place in the Interdisciplinary (Inter) division.***
- 20) Pattillo, C. P.*, Costanzo, P. J. "Controlling surface energy and wettability with a light responsive linker system." American Chemical Society: New Orleans, LA. 7 APR 2013
- 19) Chavez, A. D.*, Dehoe, G. X., Formal, T. P., O'Bryan, G., Costanzo, P. J. "Synthetic design of block copolymer amphiphiles for nanomaterial dispersion." American Chemical Society: New Orleans, LA. 7 APR 2013.
- 18) Hill, M. R.*, Mukherjee, S., Costanzo, P. J., Sumerlin, B. "Modular oxime functionalization of well-defined alkoxyamine-containing polymers." CSU Research Competition: Long Beach, CA. 5 MAY 2012.

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Completed at California Polytechnic State University continued...

- 17) Grau, W. C.*, Mann, S. I.*, Mackenzie, M. C., Costanzo, P. J. and Immoos, C. E. "Synthesis and SOD-like activity of Mn(III) complexes derived from tridentate Schiff based ligands." CSU Research Competition: Long Beach, CA. 5 MAY 2012.
- 16) Mackenzie, M. C.*, Grau, W. C., Mann, S. I., Costanzo, P. J. and Immoos, C. E. "Synthesis and SOD-like activity of Mn(III) complexes derived from tridentate Schiff based ligands." American Chemical Society: San Diego, CA. 25 MAR 2012.
- 15) Roland, C. D.*, Kleine, T. S., Orlicki, J. A. Costanzo, P. J. "Development of transparent, processable thermally-responsive coating." American Chemical Society: San Diego, CA. 25 MAR 2012.
- 14) Hill, M. R.*, Mukherjee, S., Costanzo, P. J., Sumerlin, B. "Modular oxime functionalization of well-defined alkoxyamine-containing polymers." American Chemical Society: San Diego, CA. 25 MAR 2012. ***Hill received an Undergraduate Travel Award.***
- 13) Pattillo, C. C.*, Strange, G. A., Dirlam, P. T., Costanzo, P. J. "Controlling surface energy and wettability with Diels-Alder chemistry." American Chemical Society: San Diego, CA. 25 MAR 2012. ***Pattillo received the award for Outstanding Undergraduate Presentation in the POLY division of ACS.***
- 12) Roy, S. E.*, Chavez, A. D., Dean, J. M., Swanson, J. P., Strange, G. A., Costanzo, P. J. "Polymeric phase-change materials based upon Diels-Alder chemistry." American Chemical Society: San Diego, CA. 25 MAR 2012. ***Roy received an Undergraduate Travel Award.***
- 11) Amato, D. V.*, Hill, M. R., Burns, M. E., Costanzo, P. J. "Novel polymer coupling chemistry based upon latent cysteine-like functionality." American Chemical Society: San Diego, CA. 25 MAR 2012.
- 10) Strange, G. A.*, Costanzo, P. J. "Controlling nanoparticle dispersion via Diels-Alder chemistry." CSU Research Competition: Fresno, CA. 7 MAY 2011.
- 9) Grau, W. C.*, Mackenzie, M. C., Mann, S. I., McMahon, M. L., Costanzo, P. J. and Immoos, C. E. "Rational ligand design for the investigation of SOD reactivity." American Chemical Society: Anaheim, CA. 27 MAR 2011.
- 8) Dirlam, P. T.*, Chung, W-J., Costanzo, P. J., Pyun, J. "Aligned poly(3,4-alkyleneoxythiophene) brushes on indium tin oxide form surface initiated atom transfer radical polymerization and subsequent electrocopolymerization." American Chemical Society: Anaheim, CA. 27 MAR 2011.
- 7) Hill, M. R.*, Carlson, J. S., Costanzo, P. J. "Novel polymer coupling chemistry based upon latent cysteine-like functionality." American Chemical Society: Anaheim, CA. 27 MAR 2011.
- 6) Strange, G. A.*, Dirlam, P. T., Pattillo, C. C., Costanzo, P. J. "Controlling surface energy and wettability with Diels-Alder chemistry." American Chemical Society: Anaheim, CA. 27 MAR 2011.
- 5) Swanson, J. P.*, Roy, S. E., Rozvadovsky, S., Costanzo, P. J. "Polymer phase-change materials based upon Diels-Alder Chemistry." American Chemical Society: Anaheim, CA. 27 MAR 2011.
- 4) Richardson, A. D., McNair, O., Strange, G. A., Early, M., R., Costanzo, P. J., Savin, D. A.* "Nanoparticle dispersion and energy damping in polymer composites." American Chemical Society: Boston, MA. 24 AUG 2010.

External Oral Presentations continued ...

- 3) Dirlam, P. T., Strange, G. A., Costanzo, P. J.* “Controlling surface energy and wet-ability with stimuli-responsive surfaces.” American Chemical Society: San Francisco, CA. 25 MAR 2010.
- 2) Swanson, J. P.*, Rozvadovsky, S., Costanzo, P. J. “Polymeric phase-change materials based upon Diels-Alder chemistry.” American Chemical Society: San Francisco, CA. 21 MAR 2010.
Swanson received an Undergraduate Travel Award.
- 1) Rozvadovsky, S., Swanson, J. P., Costanzo, P. J.*, Jensen, R. E. “Tailored Polymers for Insensitive Munitions Based upon Diels-Alder Chemistry.” American Chemical Society: Washington, DC. 20 AUG 2009.