**Monday, Sept 14**

**Poster Session I**

4:30 – 6:30

**Calypso**

1. [**Christine Joly-Duhamel**](ABSTRACTS/Christine_Joly-Duhamel.doc.pdf), Institut Charles Gerhardt de Montpellier (ICGM)

New Biosourced UV Curable Coatings Based on Isosorbide

2. [**Callie Fiedler**](ABSTRACTS/Callie_Fiedler.pdf), University of Colorado

Increased Thiol-Ene Hydrogel Young's Modulus and Toughness Using Novel Multi-Exposure Technique

3. [**Parag Shah**](ABSTRACTS/Parag_Shah.pdf), University of Colorado

Localized Control of Kinetics as well as Bulk Stress Development in Polymer Networks Modified with (Meth)Acrylate Functional Nanoparticles

4. [**Sadhana Sharma**](ABSTRACTS/Sadhana_Sharma.pdf), University of Colorado

Nanofibrous Photoclickable Hydrogel Microarrays for High-Throughput Screening of Cellular Microenvironments

5. [**Stanley Chu**,](ABSTRACTS/Stanley_Chu.pdf) University of Colorado

Photoclickable Aggrecanase-Degradable Hydrogels for Cartilage Tissue Engineering

6. [**Elizabeth Aisenbrey**,](ABSTRACTS/Elizabeth_Aisenbrey.pdf) University of Colorado

Directing the Chondrogenic Differentiation of hMSCs in a Degradable Biomimetic Photopolymerizable Hydrogel

7. [**Aaron Aziz**,](ABSTRACTS/Aaron_Aziz.pdf) University of Colorado

Sequentially Layered Photo-Clickable Thiol-Ene Hydrogels for Creating Tailored Tissue Engineering Interfaces

8. [**Luke Amer**,](ABSTRACTS/Luke_Amer.pdf) University of Colorado

Linking Protein Adsorption on Zwitterionic Poly(ethylene glycol) Phosphorylcholine Hydrogels to the

Foreign Body Reaction In Vivo

9. [**Tony Carignano**](ABSTRACTS/Tony%20Carignano.pdf), PCT Engineered Systems

The Benefits of Electron Beam Technology

10. [**Andy Landis**,](ABSTRACTS/Andy_Landis.pdf) Penn State

Rapid Measurement of Photopolymerization Shrinkage Stress Using a Cantilever-Beam Based Instrument

11. [**Martha-Elizabeth Baylor**,](ABSTRACTS/Martha_Elizabeth_Baylor.pdf) Carleton College

Control of Macroscopic Polymer Lens Shape by Varying Interfacial Surface Tension

12. [**Francesca De Vito**,](ABSTRACTS/Francesca_De_Vito.pdf) Thermo Fisher Scientific

Investigating the Effect of UV Light Intensity on the Kinetics of Curing of an Acrylate Glue

**Fandango**

13. [**Veronika Strehmel**,](ABSTRACTS/Veronika_Strehmel.pdf) Niederrhein University of Applied Sciences

Influence of the Ionic Liquid Structure on Photoinitiated Polymerization of Methacrylates

14. [**Braden Leigh**,](ABSTRACTS/Braden_Leigh.pdf) University of Iowa

Tuning Surface Properties of Acrylate Polymers to Direct Neurite Growth

15. [**Zefram Marks**](ABSTRACTS/Marks_Zefram.pdf), University of Colorado - School of Medicine

Novel Polymers for Dynamic Varifocal Lenses

16**.** [**Steven Lewis,**](ABSTRACTS/Steven_Lewis.pdf) University of Colorado - Denver

Variation of Placement and Concentration of Reactive Sites on Polymeric Nanogel Particles

17. [**Kaitlynn McElvain**,](ABSTRACTS/Kaitlynn_McElvain.pdf) University of Iowa

Nano/Microstructured Materials Obtained Using Photopolymerization-Induced Phase Separation

18. [**Brian Green**,](ABSTRACTS/Brian_Green.pdf) University of Iowa

Templating Polymers with Lyotropic Liquid Crystals via Photopolymerization Using a Gemini Surfactant

19. [**Jon Scholte**,](ABSTRACTS/Jon_Scholte.pdf) University of Iowa

Prepolymer Structure Influence on Thermo-Mechanical Properties in Photocurable Resins

20. [**Zhenzhen Liu**](ABSTRACTS/Zhenzhen_Liu.pdf), University of Colorado

Sequential Control Over Thiol Click Chemistry

21. [**Maciej Podgórski**,](ABSTRACTS/Maciej_Podgorski.pdf) University of Colorado

Multiple Shape Memory Laminates Formed From Thiol-Click Chemistry Based Step-Growth Polymerizations

22. [**Chen Wang**,](ABSTRACTS/Chen_Wang.pdf) University of Colorado

Functional Dual-cure Latex Films from Thiol-Michael Addition Miniemulsion Polymerization

23. [**Mauro Claudino**,](ABSTRACTS/Mauro_Claudino.pdf) University of Colorado

Kinetics of Thiol-Michael Addition Reactions Studied by Real-Time FT-IR Spectroscopy

24. [**Haitao Yang**,](ABSTRACTS/Haitao_Yang.pdf) University of Colorado

Photopolymerization Induced Phase Separation in TEGDMA/PMMA-Modified Systems

**Ballroom Lobby**

25. [**Paul Potzmann**,](ABSTRACTS/Paul_Potzmann_Composites.pdf) Vienna University of Technology

Photopolymerization of Biocompatible Composites

26. [**Paul Potzmann**,](ABSTRACTS/Paul_Potzmann_Frontal.pdf) Vienna University of Technology

Investigation of Bubble Free, UV Initiated Frontal Polymerization in Aqueous Conditions

27. [**Benjamin Kowalski**](ABSTRACTS/Benjamin_Kowalski.pdf), University of Colorado

Recording-Induced Optical Scatter in Two-Chemistry Diffusive Photopolymers

28. [**Darren Forman**,](ABSTRACTS/Darren_Forman.pdf) University of Colorado

Exploring the Spatiotemporal Limits of Direct-Write Lithography

29. [**Annalisa Chiappone**,](ABSTRACTS/Annalisa_Chiappone.pdf) Istituto Italiano di Tecnologia

DLP-3D Printed Hybrid Nanocomposites Containing Silica and PEG-Based Polymers by Sol-Gel Technique

30. [**Marvin Alim**,](ABSTRACTS/Marvin_Alim.pdf) University of Colorado

Low Shrinkage Holographic Photopolymers Using Addition-Fragmentation Chain Transfer in Thiourethane Networks

**Tuesday, Sept 15**

**Poster Session II**

4:30 – 6:30

**Calypso**

1.[**Ho-Jong Kang**,](ABSTRACTS/Ho-Jong%20Kang.pdf) Dankook University

Potopolymerization of 2-Ethylhexyl acrylate (2-EHA)/2-Hydroxy ethyl acrylate (2-HEA) for Optically Clear Resin

2.[**Elena Frick**,](ABSTRACTS/Elena_Frick_Poster.pdf) Karlsruhe Institute of Technology

Structure-Reactivity Relationship of Photoinitiators studied by PLP-ESI-MS and Femtosecond Spectroscopy

3.[**Patrick Knaack**,](ABSTRACTS/Patrick_Knaack_Initiation.pdf) Vienna University of Technology

Novel Initiator for Photoinduced Cationic Polymerisation

4.[**Patrick Knaack**,](ABSTRACTS/Patrick_Knaack_Biomaterials.pdf) Vienna University of Technology

Hyaluronic Acid-Based Hydrogels for Tissue Engineering Via Two Photon Polymerization

5. [**Daniel Bomze**,](ABSTRACTS/Daniel_Bomze_Hydrogels.pdf) Vienna University of Technology

Modified Poly(Vinyl Alcohol) based Hydrogels For Tissue Engineering via Thiol-Ene-Crosslinking

6.[**Daniel Bomze**,](ABSTRACTS/Daniel_Bomze_Frontal.pdf) Vienna University of Technology

Radical Induced Cationic Frontal Polymerization

7. [**Alan Aguirre**](ABSTRACTS/Alan_Aguirre.pdf), University of Colorado - Denver

New Advances in Visible Light Photopolymerization: From Mechanisms to Applications

8. [**Han Byul Song**,](ABSTRACTS/Han_B_Song.pdf) University of Colorado

Systematic Kinetic Study on Photo-Initiated CuAAC Polymerization

9. [**Xinpeng Zhang**,](ABSTRACTS/Xinpeng_Zhang.pdf) University of Colorado

Visible Light Controlled Thiol-Michael Polymerization Through Novel Photobase Systems

10.[**Atefe Nejadebrahim**,](ABSTRACTS/Atefe_Nejadebrahim.pdf) Amirkabir university of technology

High Speed Polymerization: A Feature or a Defect?

11. [**Bernd Strehmel**,](ABSTRACTS/Bernd_Strehmel_Iodonium%20Salt.doc.pdf) Niederrhein University of Applied Sciences

Relationship Between Reactivity and Conductivity of NIR Photoinitiating Systems Comprising Different Iodonium Salts

12. [**Bernd Strehmel**,](ABSTRACTS/Bernd_Strehmel_Coatings.pdf) Niederrhein University of Applied Sciences

Curing of Powder Coatings by NIR Photoinitiated Polymerization Using Line-Shaped Lasers with Emission at 808 nm and 980 nm

**Fandango**

13.[**Roman Geier**,](ABSTRACTS/Roman_Geier.pdf) TU Graz

Oxygen Inhibition in Radical Polymerization: Thermography as a new method to visualize oxygen inhibition and CIDNP studies on oxygen dependent reaction mechanisms.

14. [**Mehmet Atilla Tasdelen**,](ABSTRACTS/Mehmet_Tasdelen.pdf) Yalova University

POSS-Based Hybrid Materials Via Photochemical Routes

15. [**Ima Rad**,](ABSTRACTS/Ima_Rad.pdf) Colorado State University

Graphenated Reactive Nanogels as a Route to Reinforced Photopolymers

16. [**Kazuo Ashikaga**,](ABSTRACTS/Kaz_Ashikaga.pdf) Heraeus KK

New Photon Delivery system IR and UV Hybrid Irradiation Process

17. [**Tyler Cuthbert**,](ABSTRACTS/Tyler_Cuthbert.pdf) Western University

Phosphonium Containing UV cured films

18. [**Brian Donovan**,](ABSTRACTS/Brian_Donovan.pdf) University of Southern Mississippi

Effects of Phosphonic Acid Monomers on Network Properties of UV Polymerizable Adhesives

19[. **Leila Safazadeh**,](ABSTRACTS/Leila_Safazadeh.pdf) University of Kentucky

Preparation of Highly Stable, Low-Density Self-Assembled Monolayers by Click Thiol-Yne Reaction

20. [**Mustafa Ciftci**,](ABSTRACTS/Mustafa_Ciftci.pdf) Istanbul Technical University

Polyethylene‑g‑poly(cyclohexene oxide) by Mechanistic Transformation from ROMP to Visible Light-Induced Free Radical Promoted Cationic Polymerization

21. [**Weixian Xi**,](ABSTRACTS/Weixian_Xi.pdf) University of Colorado

Click by "Click" Strategy in Sequence Controlled Polymer Synthesis

22. [**Hunter Cooke**,](ABSTRACTS/Hunter_Cooke.pdf) University of Southern Mississippi

Photo-Curable Composite Matrix Resins Using Copper(I)-Catalyzed Azide-Alkyne Cycloaddition Click Reaction

**Ballroom Lobby**

23. [**Ishan Fursule**,](ABSTRACTS/Ishan_Fursule.pdf) University of Kentucky

Photoactive monomer for light mediated Ring Opening Metathesis Polymerization

24. [**Jacob McLaughlin**,](ABSTRACTS/Jacob_Mclaughlin.pdf) University of Iowa

Lyotropic Liquid Crystal Templated Stimuli-Responsive Superabsorbent Copolymers

25. [**Han Xie**](ABSTRACTS/Han_Xie.pdf), University of Colorado

Wavelength-Selective Thiol-Ene and Thiol-Isocyanate Two-Stage Photopolymerizations

26. [**Nancy Sowan**,](ABSTRACTS/Nancy_Sowan.pdf) University of Colorado

Applications of Addition Fragmentation Chain Transfer

27. [**Christian Gorsche**,](ABSTRACTS/Christian_Gorsche_Oral.pdf) Vienna University of Technology

Using Addition Fragmentation Chain Transfer for Tough Methacrylate-Based Networks with Low Shrinkage Stress

28. [**Christian Gorsche**,](ABSTRACTS/Christian_Gorsche_Poster.pdf) Vienna University of Technology

Addition Fragmentation Chain Transfer Reagents with Various Activating and Leaving Groups and their Potential as Network Modifiers